



DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE
BELLEVUE, WA 98009-9012

DETERMINATION OF NON-SIGNIFICANCE

PROPONENT: Chris Vandall, City of Bellevue Parks

LOCATION OF PROPOSAL: 2380 Bellevue Way SE

DESCRIPTION OF PROPOSAL: Drainage repairs to the Blueberry Farm managed by the City of Bellevue Parks Department. Repairs include replacement of ditch dams, removal of a shed, replacement of pumps, culverts, and stabilization structures, pipes, fences, gates, and a small bridge. Repairs are proposed within the 50-foot stream buffer from Mercer Slough and adjacent wetland.

FILE NUMBERS: 18-119316-WE **PLANNER:** Reilly Pittman

The Environmental Coordinator of the City of Bellevue has determined that this proposal does not have a probable significant adverse impact upon the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(C). This decision was made after the Bellevue Environmental Coordinator reviewed the completed environmental checklist and information filed with the Land Use Division of the Development Services Department. This information is available to the public on request.

- ☒ This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's Office by 5 p.m. on **11/15/2018**

This DNS may be withdrawn at any time if the proposal is modified so as to have significant adverse environmental impacts; if there is significant new information indicating a proposals probable significant adverse environmental impacts (unless a non-exempt license has been issued if the proposal is a private project); or if the DNS was procured by misrepresentation or lack of material disclosure.

Norin M. Braden
Environmental Coordinator
Carol V. Holland

10/31/2018
Date

OTHERS TO RECEIVE THIS DOCUMENT:

- ☒ State Department of Fish and Wildlife / Stewart.Reinbold@dfw.gov; Christa.Heller@dfw.wa.gov;
- ☒ State Department of Ecology, Shoreline Planner N.W. Region / Jobu461@ecy.wa.gov; sepaunit@ecy.wa.gov
- ☒ Army Corps of Engineers Susan.M.Powell@nws02.usace.army.mil
- ☒ Attorney General ecyolvef@atg.wa.gov
- ☒ Muckleshoot Indian Tribe Karen.Walter@muckleshoot.nsn.us; Fisheries.fileroom@muckleshoot.nsn.us



EXEMPTION FROM SHORELINE SUBSTANTIAL DEVELOPMENT PERMIT

To: **Chris Vandall**
City of Bellevue Parks
450 110th Ave NE
Bellevue, WA 98004

Re: **Mercer Slough Agricultural Drainage Repair at 2380 Bellevue Way SE**

File Number: **18-119316-WE**

SEPA Determination: **Determination of Non-Significance**

A DNS was issued under WAC 197-11-355, using the optional DNS Process. There is no further comment period on the DNS. Appeal period ends on November 15, 2018

The proposal to undertake the following development:

- **Drainage repairs to the Blueberry Farm managed by the City of Bellevue Parks Department. Repairs include replacement of ditch dams, removal of a shed, replacement of pumps, culverts, and stabilization structures, pipes, fences, gates, and a small bridge. Repairs are proposed within the 50-foot stream buffer from Mercer Slough and adjacent wetland.**

Within the shoreline **Urban Conservancy - Open Space** environment of **Lake Washington** and/or its associated wetlands;

Is exempt from the requirement of a substantial development permit because:

- **Development is considered normal repair and maintenance (LUC 20.25E.170.C.2)**

Inconsistent	Consistent	
	X	Policies of the State Shoreline Management Act (RCW 90.58)
	X	The Bellevue Shoreline Master Program (LUC 20.25E)

Date: **November 1, 2018**

Signed 

Note: This exemption does not authorize construction to begin. All other required local, state or federal permits must be obtained before construction can begin. All land use code, building code, City shoreline code and other City regulations must be complied with.

CC: Dept. of Ecology, 3190 160th Avenue SE, Bellevue, WA 98008-5452
Dept. of Fish and Wildlife, 1775 12th Ave. NW Suite 201, Issaquah, WA 98027

City of Bellevue, WA



PROJECT AREA:	982,664 square feet
EXISTING IMPERVIOUS AREA:	557 square feet
EXISTING IMPERVIOUS COVERAGE:	0.00056%
NEW IMPERVIOUS AREA:	0 square feet
REPLACED IMPERVIOUS AREA:	225 square feet
NEW + REPLACED IMPERVIOUS AREA:	225 square feet
TOTAL PROPOSED IMPERVIOUS AREA:	531 square feet
CONVERTED PERVIOUS: (example: native vegetation converted to landscape and/or pasture)	0 square feet
TOTAL AREA OF LAND DISTURBING ACTIVITY:	120,572 square feet

MATERIAL EXPORT/IMPORT	
Estimated Cut:	1,232 cubic yards
Estimated export of unusable material:	0 cubic yards
Estimated Fill:	0 cubic yards

1. All construction must be in accordance with the City of Bellevue's Development Standards; the City of Bellevue's Engineering and Utility Standards; the Bellevue City Code; the Uniform Building Codes; permit conditions; and all other applicable codes, ordinances, standards and policies. Applicable installation details are incorporated by reference to Bellevue's Engineering and Utilities published Standards. All applicable erosion control measures must be taken.
2. A copy of the approved plans must be on-site whenever construction is in progress.
3. The Contractor is responsible for obtaining any mechanical, electrical or other required permits prior to beginning construction.
4. All locations of existing utilities have been established by field survey or obtained from available records and should, therefore, be considered approximate only and not necessarily complete. It is the sole responsibility of the contractor (1) to independently verify the accuracy of all utility locations and (2) to discover and avoid any other utilities not shown which may be affected by the implementation of this plan.
5. Site shall be restored to better or equal condition in any areas affected by this work.
6. Scheduling: All work shall be coordinated with Owner to achieve minimal disturbance to roadway operation.
7. Contractor shall have proven experience in similar projects and be thoroughly familiar with City of Bellevue applicable standards and codes prior to commencement of work.
8. This layout is diagrammatic. Contractor shall coordinate exact location of points of connection to existing systems with Owner prior to beginning any work.
9. Prior to commencing work, the Contractor, the City's Inspectors and the Owner's Representatives shall meet on the site to review existing site conditions. Logistical items will be determined at the pre-construction meeting and subsequent construction meetings, including the specific locations and methods to be used for staging, trail closure locations and timing, fencing materials, and coordination of boardwalk and trail work with Western Wood Structure Bridge work (NIC). The Contractor is to coordinate with Owner's representative on all construction logistical items not explicitly described in the drawings and specifications.

1. All clearing & grading construction must be in accordance with City of Bellevue (COB) Clearing & Grading Code; Clearing & Grading Erosion Control Standard Details (EC-1 through EC-23); Development Standards; Land Use Code; Uniform Building Code; permit conditions; and all other applicable codes, ordinances, and standards. The design elements within these plans have been reviewed according to these requirements. Any variance from adopted erosion control standards is not allowed unless specifically approved by the City of Bellevue Department of Planning & Community Development (PCD) prior to construction.
2. The area to be cleared and graded must be flagged by the contractor and approved by the clearing & grading inspector prior to beginning any work on the site.
3. A reinforced silt fence must be installed in accordance with COB EC-5 and located as shown on the approved plans or per the clearing & grading inspector, along slope contours and down slope from the building site.
4. A hard-surface construction access pad is required per Clearing & Grading Standard Detail EC-1 or EC-2. This pad must remain in place until work is complete.
5. Clearing will be limited to the areas within the approved disturbance limits. Exposed soils must be covered at the end of each working day when working from October 1st through April 30th. From May 1st through September 30th, exposed soils must be covered at the end of each construction week and also at the threat of rain.
6. Any excavated material removed from the construction site and deposited on property within the City limits must be done in compliance with a valid clearing & grading permit. Locations for the mobilization area and stockpiled material must be approved by the clearing & grading inspector at least 24 hours in advance of any stockpiling.
7. To reduce the potential for erosion of exposed soils, or when rainy season construction is permitted, the following Best Management Practices (BMPs) are required: 1) Preserve natural vegetation for as long as possible or as required by the clearing & grading inspector. 2) Protect exposed soil using plastic (EC-14), erosion control blankets, straw or mulch (COB Guide to Mulch Materials, Rates, and Use Chart), or as directed by the clearing & grading inspector. 3) Install catch basin inserts as required by the clearing & grading inspector or permit conditions of approval. 4) Install a temporary sediment pond, a series of sedimentation tanks, temporary filter vaults, or other sediment control facilities. Installation of exposed aggregate surfaces requires a separate effluent collection pond on-site.
8. Final site grading must direct drainage away from all building structures at a minimum 2% slope, per the Uniform Building Code.
9. The contractor must maintain a sweeper on-site during earthwork and immediately remove soil that has been tracked onto paved areas as result of construction.
10. A public information sign listing 24-hour emergency phone numbers for the city and the contractor may be provided to the applicant at the time the clearing & grading permit is issued. The applicant must post the sign at the project site in full view of the public and the contractors, and it must remain posted until final sign-off by the clearing & grading inspector.

Construction noise outside the allowable hours is prohibited per BCC 9.18.040. To be considered a violation, the construction-related noise must be audible across a property line or at least 75 feet from the source. Any violation is a civil infraction and the City may assess a monetary penalty to the individual creating the noise. The penalties are:

- A warning will be issued if no construction noise violation has been committed by the same person within the previous two years at any location within the City.
- A citation will be issued and a \$125 fine imposed if one previous violation has been committed by the same person within the previous two years at any location within the City.
- A citation will be issued and a \$250 fine imposed if two or more previous violation have been committed by the same person within the previous two years at any location within the City.

- Outside of allowable hours
- Legal holidays
- Sundays



PORTION OF THE NORTHEAST QUARTER OF SECTION 4, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON.

Barker Landscape Architects
Contact: Nicolas Morin or Pe
4519 S. 190th Ct.
SeaTac, WA 98188
206-783-2870
206-783-8312 fax
nicolas@barkerla.com

Lovell-Sauerland & Associates
Jeff Treiber
19217 36th Avenue West, Ste.
Lynnwood, WA 98036
tel: (425) 775-1591
JeffT@lsaengineering.com

- 1 COVER
- 2 SURVEY / EXISTING CONDITIONS
- 3 DITCH SECTIONS
- 4 TESC / SWPPP
- 5 TESC / SWPPP ENLARGEMENTS
- 6 SITE PLAN
- 7 FENCE REPLACEMENT PLAN
- 8 PUMP STATION REPAIR ENLARGEMENTS
- 9 SITE DETAILS 1
- 10 SITE DETAILS 2
- 11 SITE DETAILS 3

The Watershed Company
Peter Heltzel
750 6th Street South
Kirkland, WA 98033
tel: (425) 822-5242
pheltzel@watershedco.com

NO.	DATE	BY	APPR.	REVISIONS		Approved By	Department of Parks & Community Services - Natural Resource Division 	JFB DESIGNED BY 6/20/18 DATE PJC/AM DRAWN BY 6/20/18 DATE NM CHECKED BY 6/20/18 DATE	City of Bellevue Mercer Slough Agricultural Drainage Repair	COVER	JUL 12 2018 Permit Processing 1 1 OF 11 SHEETS
	02/14/12	ES	JFB	EXISTING CONDITIONS BASE MAP (DRAFT)							
	07/20/12	KS/MW	JFB	PERMIT DRAFT SET							
	05/15/13	KS/SW	JFB	COORDINATION SET							
	02/22/16	PC	JFB	COORDINATION SET							
	06/20/18	PC	NM	PERMIT SET							

HORIZONTAL DATUM

CITY OF BELLEVUE CONTROL POINT NUMBERS
2219 AND 2220

NAD 83/91 (NSPS 2007)

BENCH MARK

CITY OF BELLEVUE CONTROL POINT NUMBER 56 BRASS DISK ON TOP OF
RETAINING WALL NORTH OF THE HOUSE LOCATED AT 2102 BELLEVUE WAY S.E.

ELEVATION : 41.96

DATUM NAVD 1988

LEGAL DESCRIPTION

THAT PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF
SECTION 5, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY
WASHINGTON, LYING WESTERLY OF MERCER SLOUGH;

EXCEPT THE WEST 30 FEET OF THE SOUTH 990 FEET THEREOF.

SUBJECT TO EASEMENTS, RESTRICTIONS AND RESERVATIONS OF RECORD.

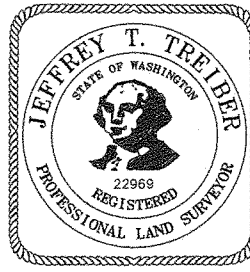
ASSESSOR'S PARCEL NUMBER

CITY OF BELLEVUE CONTROL POINT NUMBERS 2219 AND 2220

NAD 83/91 (NSPS 2007)

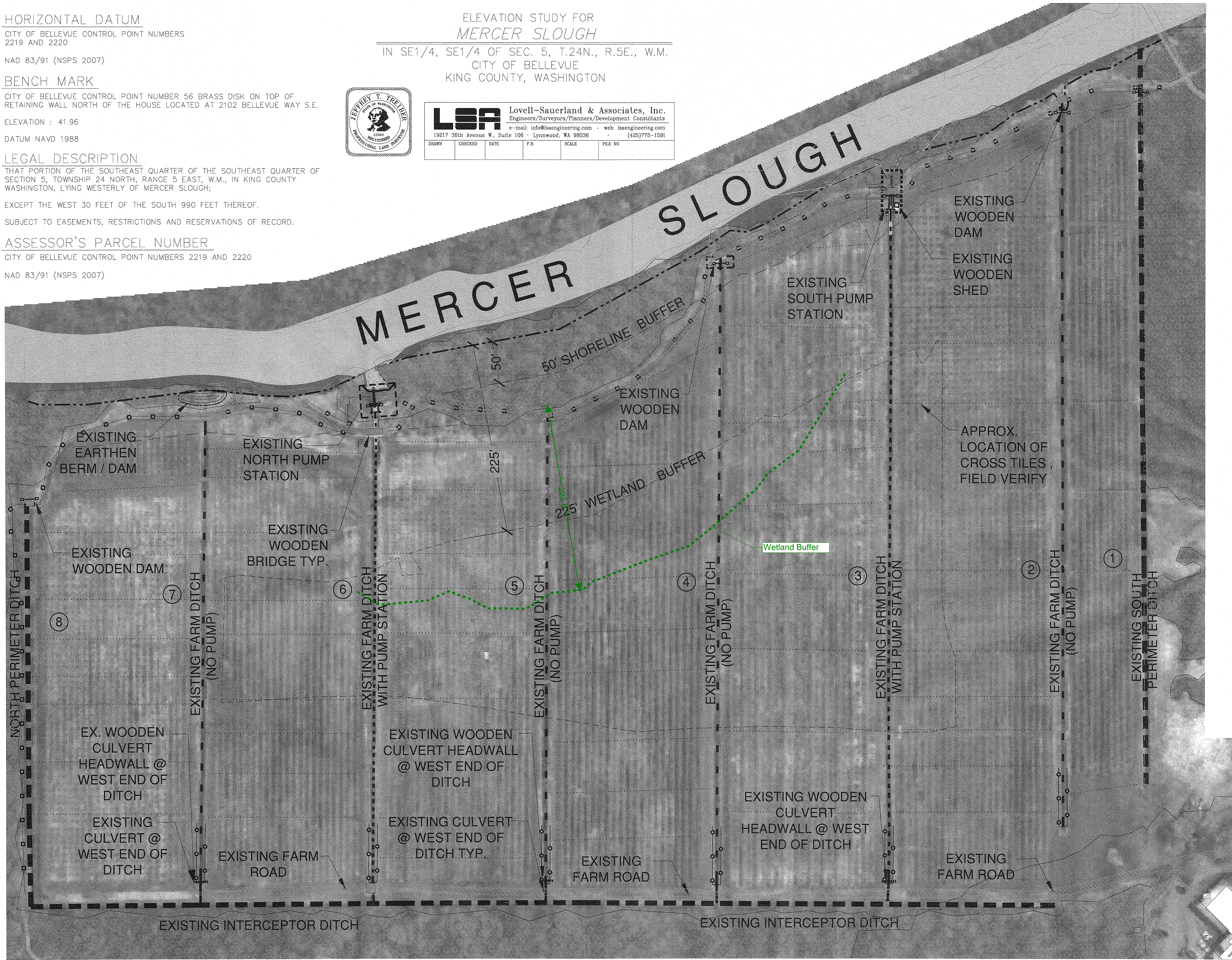
ELEVATION STUDY FOR
MERCER SLOUGH

IN SE1/4, SE1/4 OF SEC. 5, T.24N., R.5E., W.M.
CITY OF BELLEVUE
KING COUNTY, WASHINGTON



LSA Lovell-Sauerland & Associates, Inc.
Engineers/Surveyors/Planners/Development Consultants
e-mail: info@lsaengineering.com web: lsaengineering.com
19217 36th Avenue W., Suite 106 · Lynnwood, WA 98036 (425)775-1591

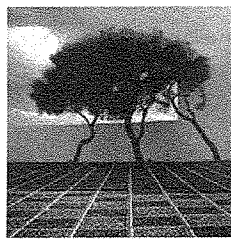
DRAWN	CHECKED	DATE	F.B.	SCALE	FILE NO.



LEGEND

PARCEL LINE	---
ORDINARY HIGH WATER	-----
50' SHORELINE BUFFER	- - - - -
225' WETLAND BUFFER	- - - - -
PERIMETER (HEADROW) DITCH	■ ■ ■ ■ ■
FARM DITCH WITH PUMPSTATION	- - - - -
FARM DITCH (NO PUMPSTATION)	- - - - -
CROSS TILES
PERIMETER FENCE	— □ — □ —
TWO RAIL DITCH FENCE	— ○ — ○ —
EXISTING WOOD BRIDGE	■
EARTHEN DAM / BERM	⬭
WOODEN DAM	⬭
PUMP STATIONS TO BE RENOVATED	⬭
WOOD CULVERT HEADWALL @ WEST END DITCHES 3,5 & 7	⬭
CULVERT PIPE	
DITCH IDENTIFICATION NUMBER	①
FARM ROAD	▨
FORESTED WETLAND	⬭

NO.	DATE	BY	APPR.	REVISIONS
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)
07/20/12	KS/MM	JFB		PERMIT DRAFT SET
05/15/13	KS/SW	JFB		COORDINATION SET
02/22/18	PC	JFB		COORDINATION SET
06/20/18	PC	NM		PERMIT SET



BARKER
LANDSCAPE ARCHITECTS, P.S.
4519 S. 190TH CT, SEATAC, WASHINGTON 98188
PH (206) 783-2870 FX (206) 783-3212

Approved By

Department of Parks &
Community Services -
Natural Resource Division

Chris Vandall, Project Manager
450 110 th Ave. NE
P.O. Box 90012
Bellevue, WA 98009
tel: (425) 452-7679



JFB
DESIGNED BY 6/20/18
DATE
PEC/NM
DRAWN BY 6/20/18
DATE
NM
CHECKED BY 6/20/18
DATE

City of Bellevue
**Mercer Slough
Agricultural Drainage
Repair**

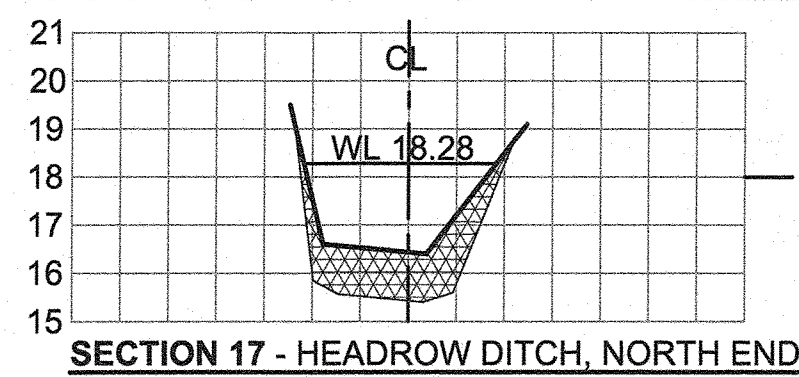
SURVEY / EXISTING
CONDITIONS

NOT FOR CONSTRUCTION

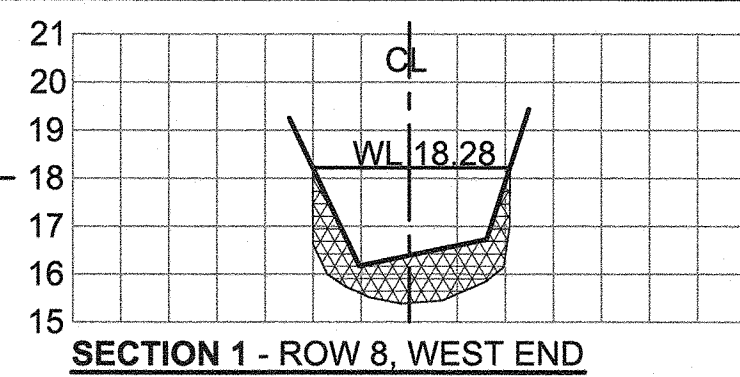
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JOHN FORREST BARKER
CERTIFICATE NO. 486

Received
JUL 12 2018
Permit Processing
2

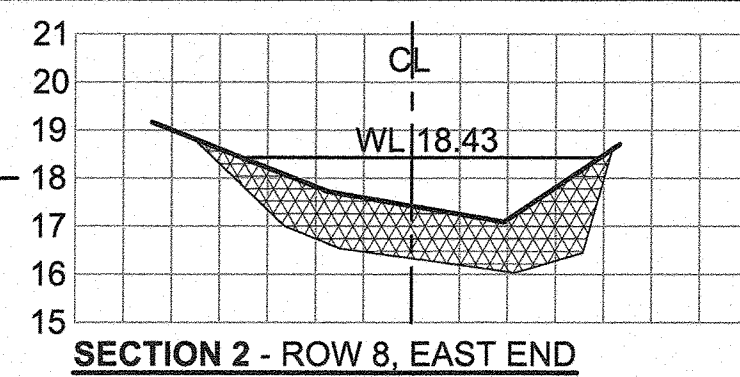
2 OF 11 SHEETS



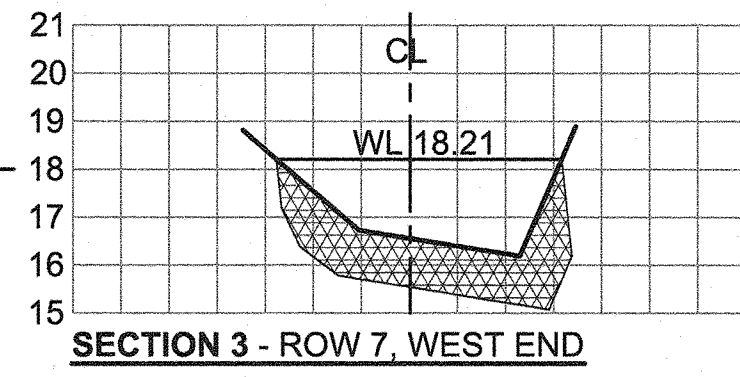
SECTION 17 - HEADROW DITCH, NORTH END



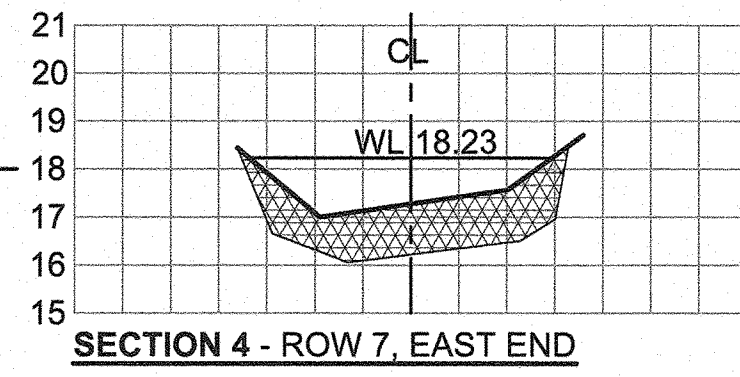
SECTION 1 - ROW 8, WEST END



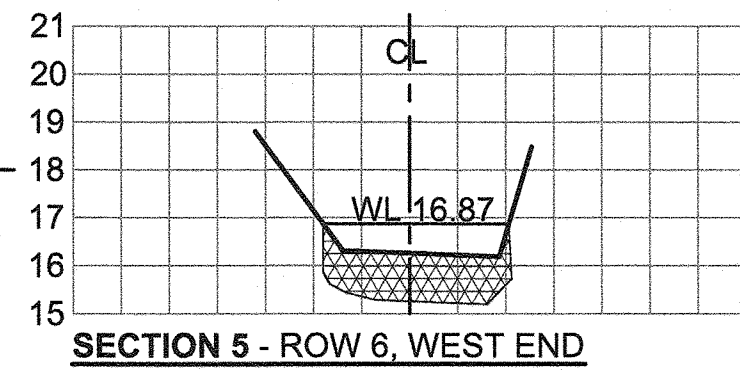
SECTION 2 - ROW 8, EAST END



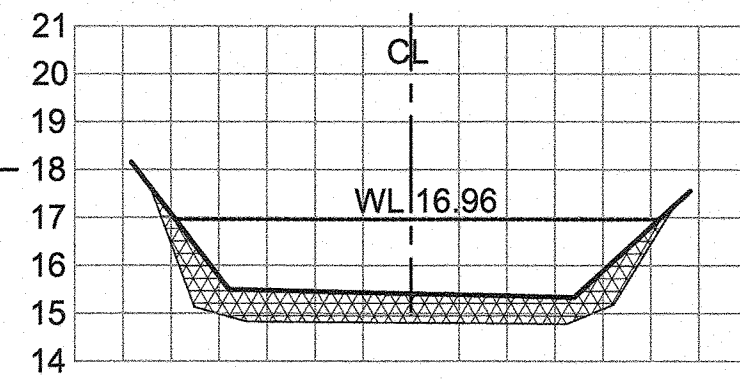
SECTION 3 - ROW 7, WEST END



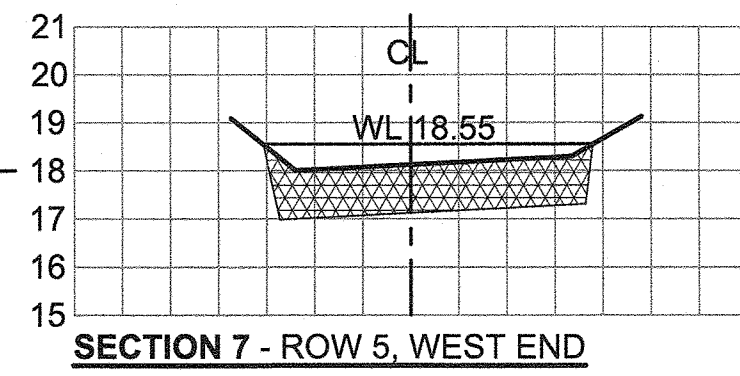
SECTION 4 - ROW 7, EAST END



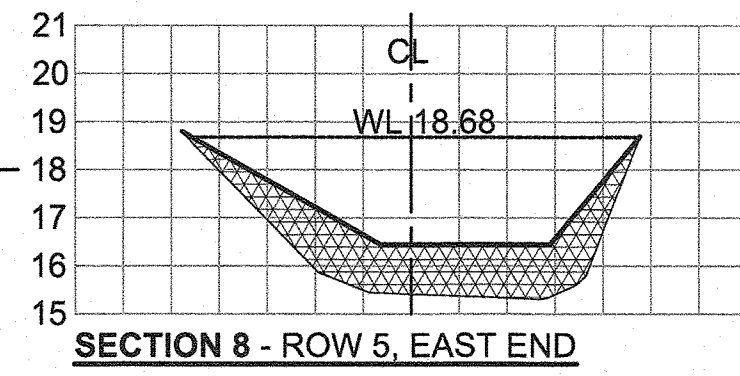
SECTION 5 - ROW 6, WEST END



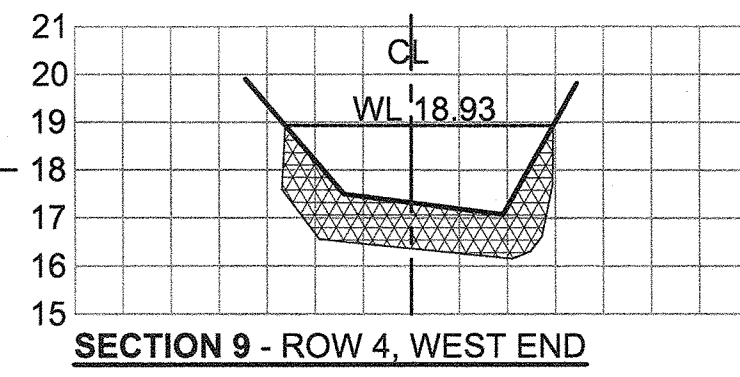
SECTION 6 - ROW 6, EAST END
(NORTH PUMPSTATION)



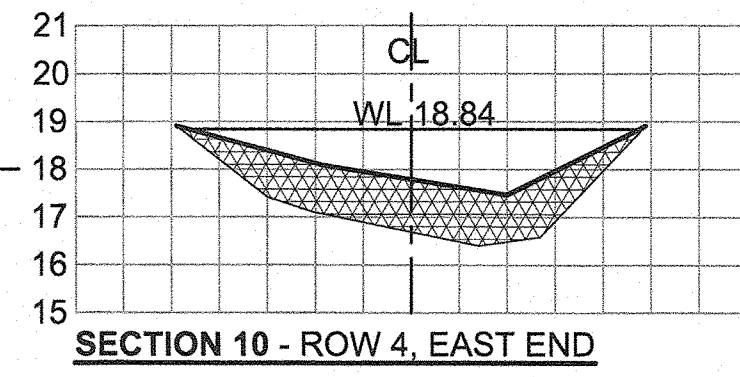
SECTION 7 - ROW 5, WEST END



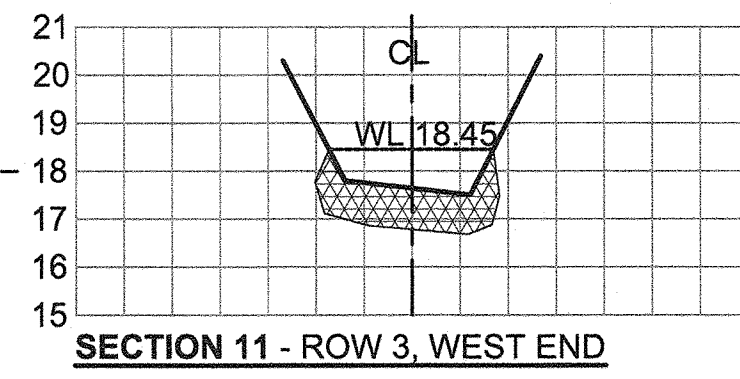
SECTION 8 - ROW 5, EAST END



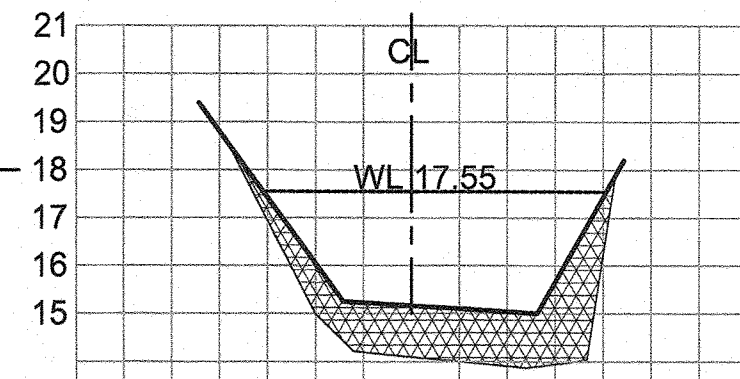
SECTION 9 - ROW 4, WEST END



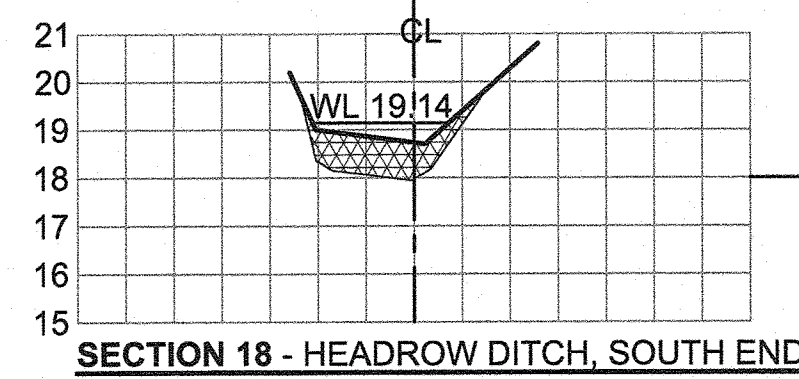
SECTION 10 - ROW 4, EAST END



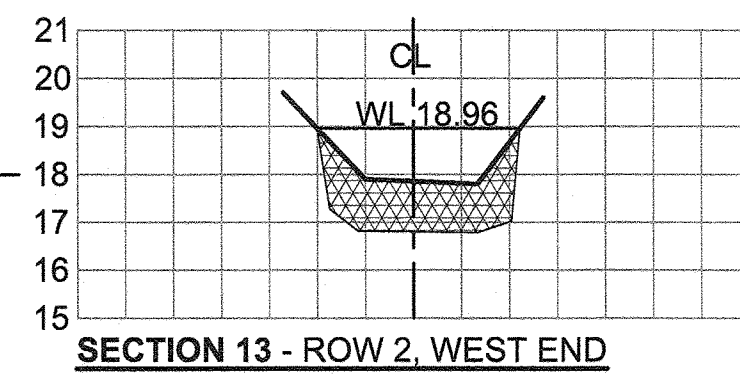
SECTION 11 - ROW 3, WEST END



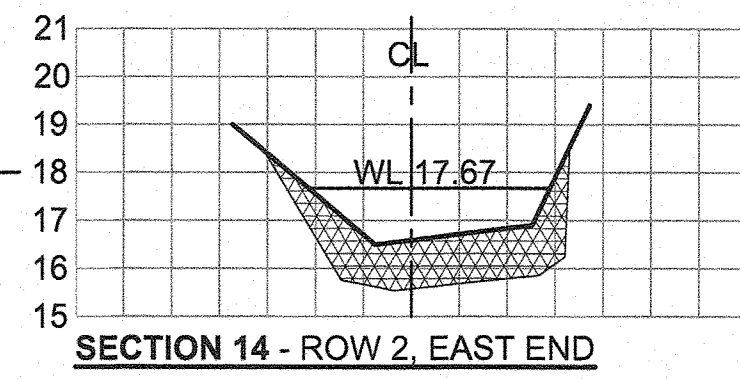
SECTION 12 - ROW 3, EAST END
(SOUTH PUMPSTATION)



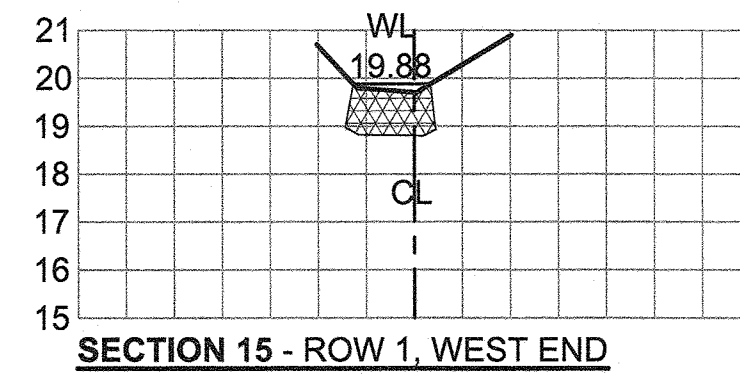
SECTION 18 - HEADROW DITCH, SOUTH END



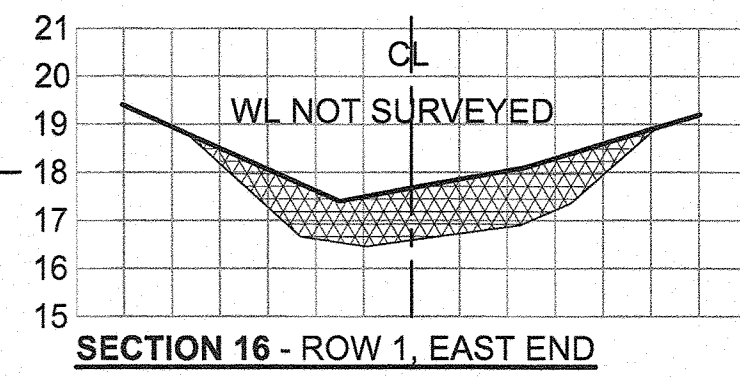
SECTION 13 - ROW 2, WEST END



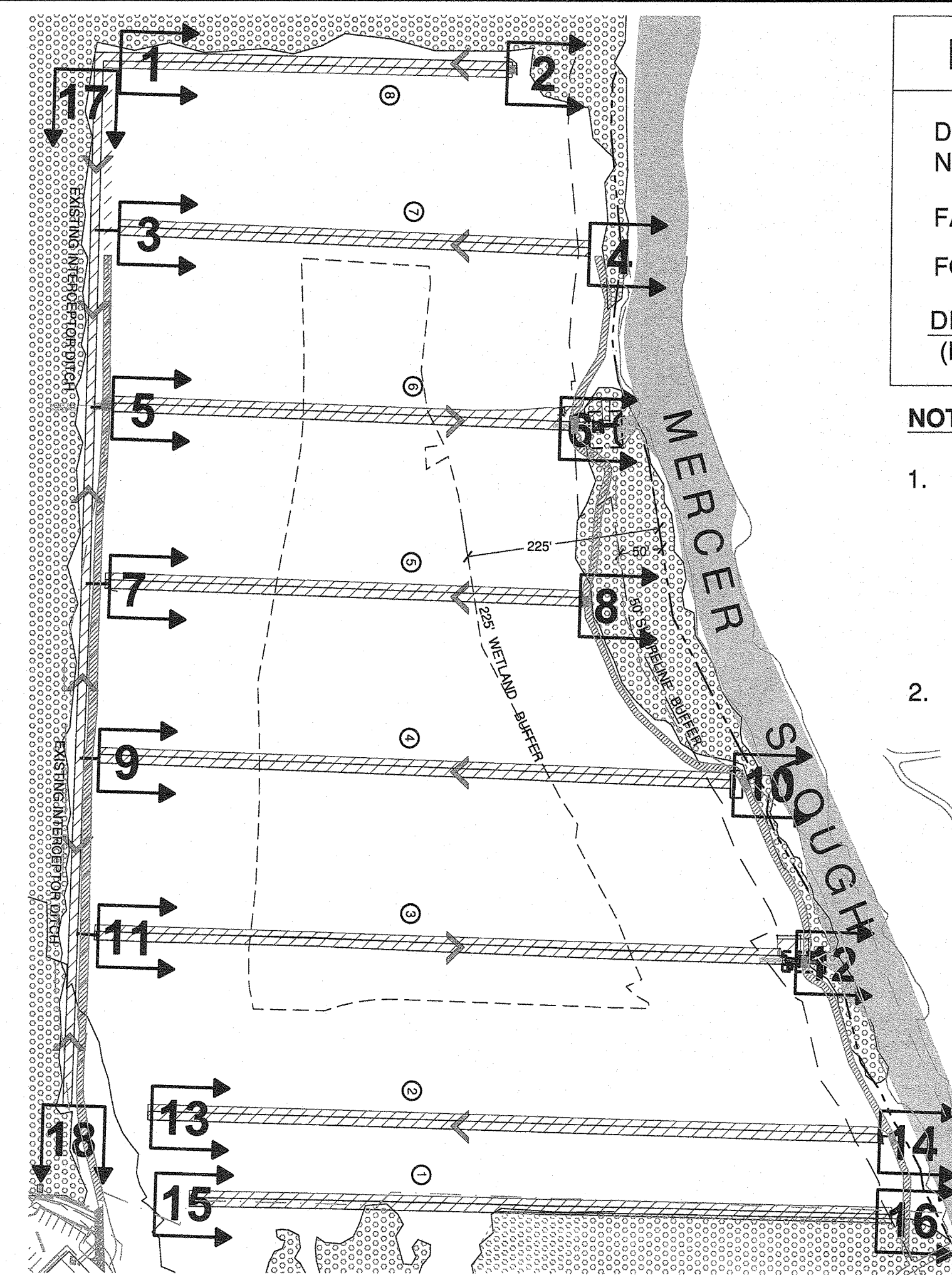
SECTION 14 - ROW 2, EAST END



SECTION 15 - ROW 1, WEST END



SECTION 16 - ROW 1, EAST END



KEY PLAN
NOT TO SCALE

KEY PLAN LEGEND

DITCH IDENTIFICATION NUMBER	①
FARM ROAD	
FORESTED WETLAND	
DITCH DREDGING (MAINTENANCE)	

NOTES:

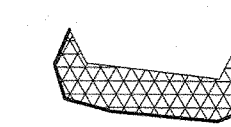
1. Remove all invasive vegetation and dredge sediment buildup from farm ditches. Spread organic dredging spoils along edges of ditches, hydroseed with native grasses to compete with reed canarygrass. Haul offsite and dispose of material such as dry grass, rocks, or roots.
2. Contractor to clean ditch 12" deeper than existing cross-section.

DITCH SECTIONS LEGEND

EXISTING GRADE OF DITCH



PROPOSED GRADE OF DITCH (SHOWING EXCAVATION AREA)



WATER LEVEL AS SURVEYED (2/2/12)

WL

DESIRED FLOW DIRECTION



DITCH SECTIONS

SCALE: 1/4" = 1'-0" (AT 22" x 34")

NO.	DATE	BY	APPR.	REVISIONS
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)
07/20/12	KS/MW	JFB		PERMIT DRAFT SET
05/15/13	KS/SW	JFB		COORDINATION SET
02/22/18	PC	JFB		COORDINATION SET
06/20/18	PC	NM		PERMIT SET



BARKER
LANDSCAPE ARCHITECTS, P.S.
4519 S. 190TH CT, SEATAC, WASHINGTON 98188
PH (206) 783-2870 FX (206) 783-3212

Approved By

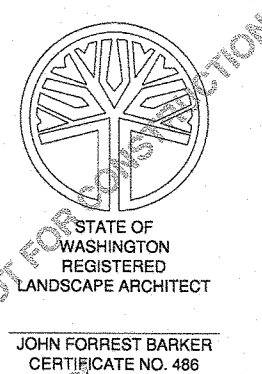
Department of Parks &
Community Services -
Natural Resource Division
Chris Vandall, Project Manager
450 110th Ave. NE
P.O. Box 90012
Bellevue, WA 98009
tel: (425) 452-7679



JFB
DESIGNED BY 6/20/18
DATE
PEC/NM
DRAWN BY 6/20/18
DATE
NM
CHECKED BY 6/20/18
DATE

City of Bellevue
**Mercer Slough
Agricultural Drainage
Repair**

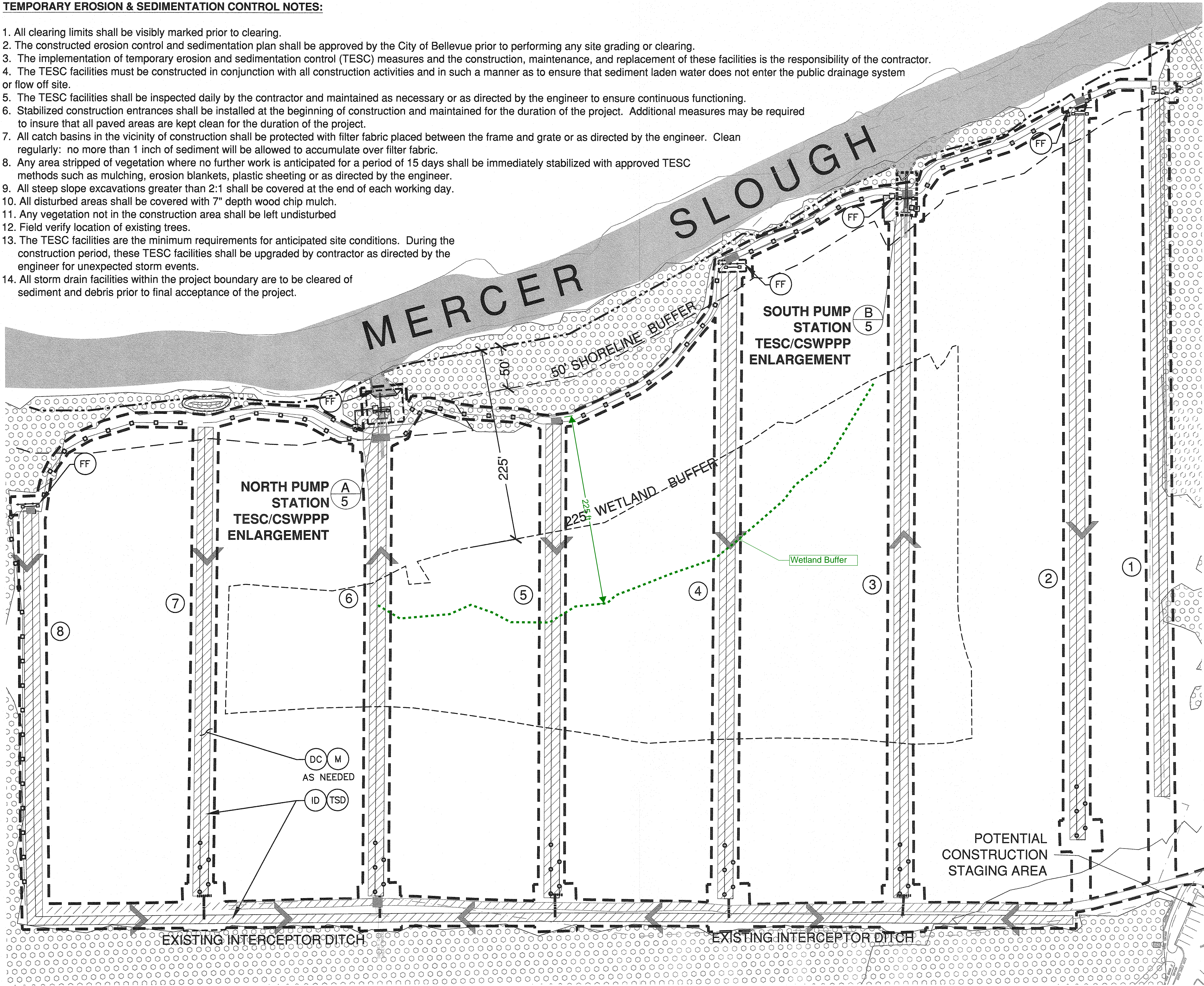
DITCH SECTIONS



Received
JUL 12 2018
Permit Processing
3

TEMPORARY EROSION & SEDIMENTATION CONTROL NOTES:

1. All clearing limits shall be visibly marked prior to clearing.
2. The constructed erosion control and sedimentation plan shall be approved by the City of Bellevue prior to performing any site grading or clearing.
3. The implementation of temporary erosion and sedimentation control (TESC) measures and the construction, maintenance, and replacement of these facilities is the responsibility of the contractor.
4. The TESC facilities must be constructed in conjunction with all construction activities and in such a manner as to ensure that sediment laden water does not enter the public drainage system or flow off site.
5. The TESC facilities shall be inspected daily by the contractor and maintained as necessary or as directed by the engineer to ensure continuous functioning.
6. Stabilized construction entrances shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures may be required to insure that all paved areas are kept clean for the duration of the project.
7. All catch basins in the vicinity of construction shall be protected with filter fabric placed between the frame and grate or as directed by the engineer. Clean regularly: no more than 1 inch of sediment will be allowed to accumulate over filter fabric.
8. Any area stripped of vegetation where no further work is anticipated for a period of 15 days shall be immediately stabilized with approved TESC methods such as mulching, erosion blankets, plastic sheeting or as directed by the engineer.
9. All steep slope excavations greater than 2:1 shall be covered at the end of each working day.
10. All disturbed areas shall be covered with 7" depth wood chip mulch.
11. Any vegetation not in the construction area shall be left undisturbed.
12. Field verify location of existing trees.
13. The TESC facilities are the minimum requirements for anticipated site conditions. During the construction period, these TESC facilities shall be upgraded by contractor as directed by the engineer for unexpected storm events.
14. All storm drain facilities within the project boundary are to be cleared of sediment and debris prior to final acceptance of the project.



LEGEND

- LIMIT OF WORK
- DITCH MAINTENANCE
- FILTER FENCE (BMP -C233)
- SEDIMENT TRAP (BMP -C240)
- INTERCEPTOR DITCH (BMP -C200)
- TRIANGULAR SILT DIKE (BMP -C208)
- DUST CONTROL (BMP -C140)
- MULCHING (BMP -C121)
- 50' SHORELINE BUFFER
- 225' WETLAND BUFFER
- DITCH IDENTIFICATION NUMBER
- FORESTED WETLAND
- DESIRED FLOW DIRECTION

VEGETATION RESTORATION PLAN

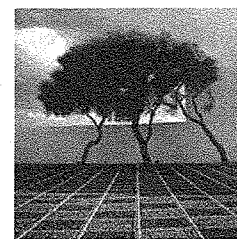
Restoration of all disturbed areas will be completed by owner (city), immediately following construction. Vegetation will be restored by in-kind plant species, depending upon existing conditions, prior to construction:

1. Side slopes of ditches 2-7 and adjacent work areas, where spoils have been placed, will be re-seeded with a seed mix of native and nitrogen fixing grasses.
2. South side of ditch 1 will be restored with in-kind, existing species, including dogwood and spirea (live stakes).
3. West side of the Interceptor ditch (N-S Farm ditch) will be restored with in-kind, existing species, including dogwood and willow (live stakes).
4. North side of ditch 8 will be restored with in-kind, existing species, including dogwood and willow (live stakes).

In order to restore any disturbance, restoration planting shall include other vegetation species in addition to grass, where such vegetation is disturbed by construction.

Scale: 1" = 60'-0"
(22"X34" sheet)

NO.	DATE	BY	APPR.	REVISIONS
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)
07/20/12	KS/MM	JFB		PERMIT DRAFT SET
05/15/13	KS/SW	JFB		COORDINATION SET
02/22/18	PC	JFB		COORDINATION SET
06/20/18	PC	NM		PERMIT SET



BARKER
LANDSCAPE ARCHITECTS, P.S.
4519 S. 190TH CT, SEATAC, WASHINGTON 98188
PH (206) 783-2870 FX (206) 783-3212

Approved By

Department of Parks &
Community Services -
Natural Resource Division

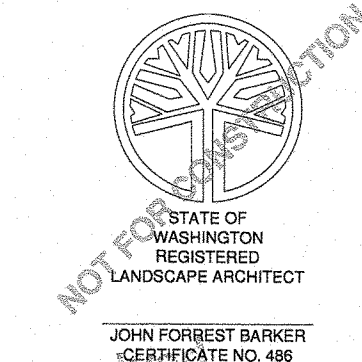
Chris Vandell, Project Manager
450 110 th Ave. NE
P.O. Box 90012
Bellevue, WA 98009
tel: (425) 452-7679



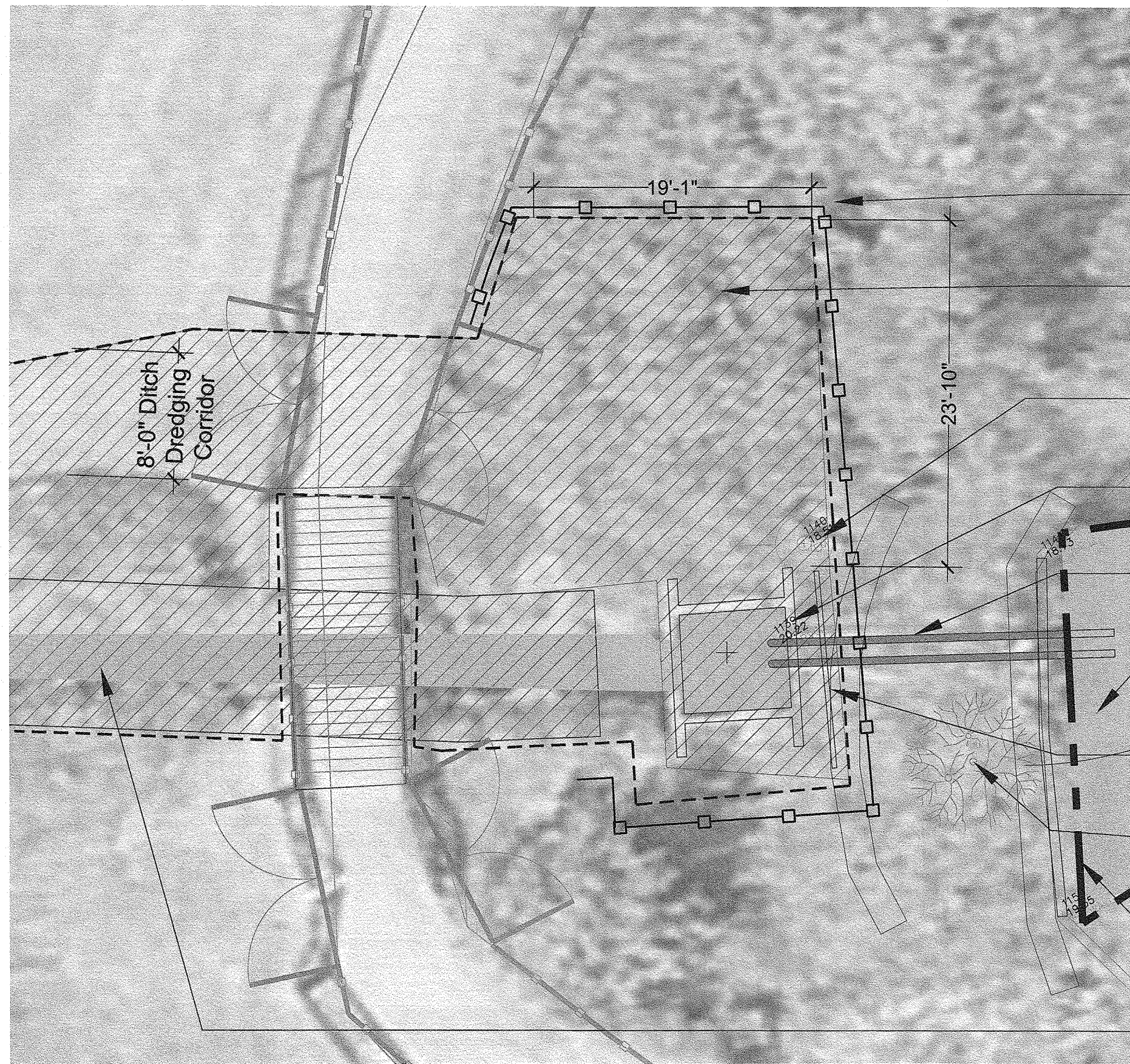
JFB
DESIGNED BY 6/20/18
DATE
PEC/NM
DRAWN BY 6/20/18
DATE
NM
CHECKED BY 6/20/18
DATE

City of Bellevue
**Mercer Slough
Agricultural Drainage
Repair**

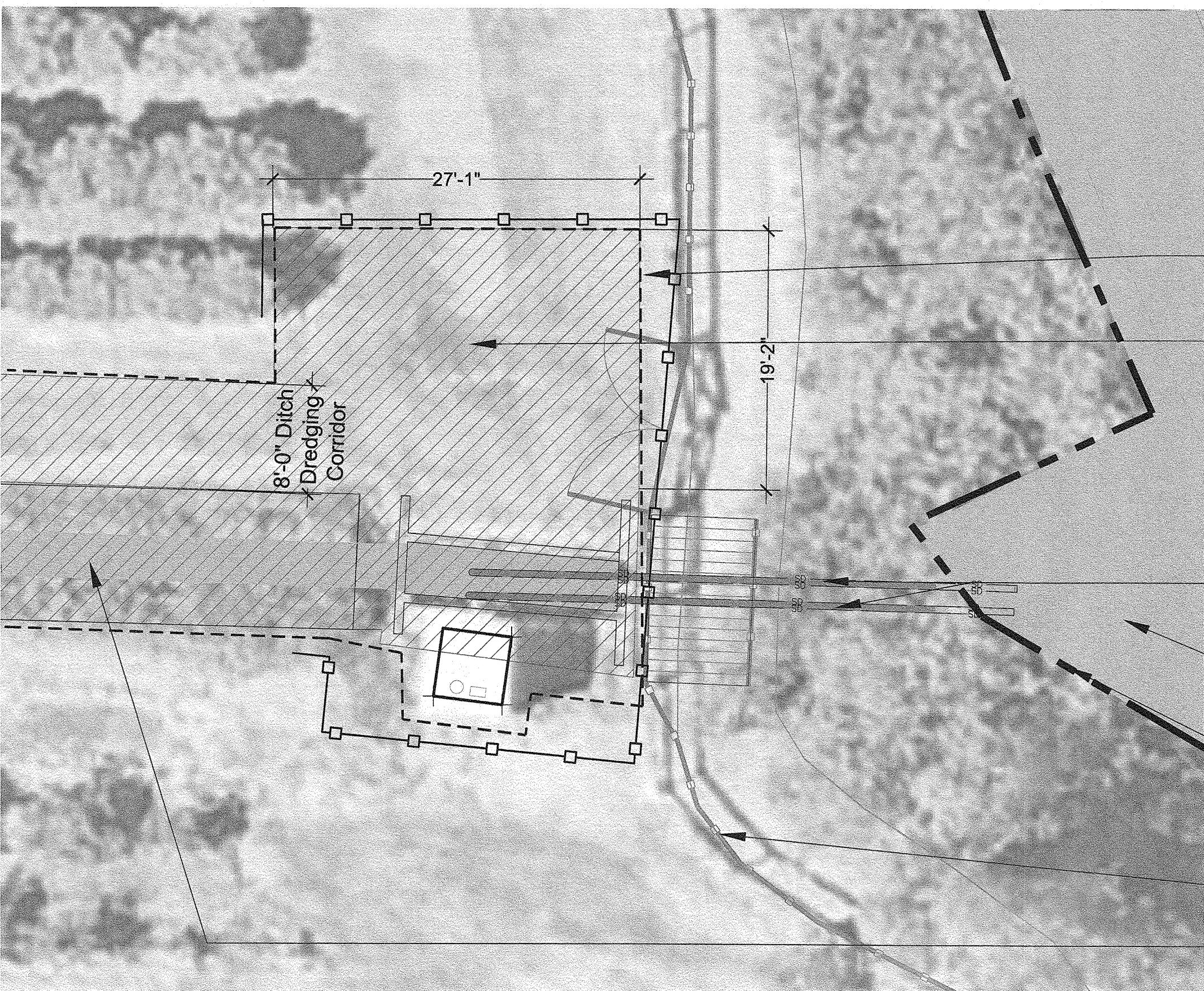
TESC / CSWPPP



JUL 12 2018
Permit Processing
4



- Filter fabric fence
- Area of work for pump station replacement
- Existing Electrical box, to remain
- Existing wood structure, to remain
- Existing Pipes
- Mercer Slough
- Existing Wood Dam, to remain
- Existing 36" willow tree
- OHWM (No work proposed below OHWM)
- Drainage Ditch



- Filter fabric fence
- Area of work for pump station replacement
- Existing pipes
- Mercer Slough
- OHWM (No work proposed below OHWM)
- Existing Fence
- Drainage Ditch

A NORTH PUMP STATION TESC/CSWPPP ENLARGEMENT
Scale: 1/8" = 1'-0"



B SOUTH PUMP STATION TESC/CSWPPP ENLARGEMENT
Scale: 1/8" = 1'-0"



PROPOSED CONSTRUCTION SEQUENCE:

1. City crews will perform a final seasonal vegetation removal (pruning and mowing) along all construction routes and proposed work areas, immediately before construction begins.
2. Establish temporary construction entrance and staging area at existing Blueberry Farm Building parking lot.
3. Install temporary construction fencing, if any is needed, to manage public access or limit construction activity in sensitive areas. Existing farm fencing will be used as construction fencing to the maximum extent feasible.
4. Locate, flag, and protect existing utilities and underground power lines servicing the pump stations.
5. Flag and cap all underground, lateral drain tile/pipe locations.
6. Install all temporary erosion and sedimentation control barriers around proposed work areas.
7. Build six (6) new dams landward of existing old wooden dam structures to prevent water from flowing from Mercer Slough and into the blueberry field ditches.
8. Install two (2) new pump station enclosures around existing wooden enclosures, leaving all existing wood structures in place.
9. Functionality of existing pump stations will be halted, momentarily, while new dam and pump housing structures are installed.
10. Once new dams and pump housing structures are in place, shorten outflow pipes so that they are further from the edge of Mercer Slough and above OHWM.
11. Drawn down water level of ditches to the maximum extent feasible.
12. Install new headwall structures at the western ends of ditches 2, 3, 4, 5, 6, and 7.
13. Prepare ditches for cleaning and clearing by isolating one segment of ditch at a time. This will be done by installing temporary dams and sedimentation control screens at approximately 150 ft. intervals beginning with the ditches that are furthest upstream from the pump-stations.
14. After a segment of ditch is isolated, water level will be drawn down by displacing it into the next segment of the ditch or to the nearest ditch.
15. Ditch clearing will only occur in areas after they have been isolated and water level has been reduced.
16. Existing pump stations will continue drawing down the water level in the rest of the ditch network.
17. Special care will be taken in the work sequence and use of sediment control BMPs to contain sediment and prevent it from moving downstream, through the pumps, and into Mercer Slough.
18. Carefully clear 1-2 ft. of surface vegetation and root mass from the ditch embankments and place immediately in front of the closest row of blueberry bushes.
19. Excavate 1-2 ft. of silt from the bottom of the ditch and place immediately in front of the closest row of blueberry bushes.
20. Till excavated vegetation, root masses, and silt into existing grade and hydroseed, see step 29 below.
21. Repeat work to isolate, prepare, de-water, and clear out the ditches, one 150 ft. segment at a time, while moving closer and closer to the pump stations.
22. All ditches to be cleaned out for increased capacity, not directional flow.
23. After all ditches are cleared, caps will be removed from all lateral drain tiles/pipes.
24. The ends of any damaged lateral drain tiles/pipes will be repaired/replaced.
25. If Additive Alternate is rewarded, replace small foot bridge at the western end of ditch 6.
26. If Additive Alternate is rewarded, replace all two rail fencing, perimeter fencing, gates, and railing for existing bridges.
27. If Additive Alternate is rewarded, replace all in-ground electrical conduit between the pump stations and the existing blueberry farm building.
28. After all work is completed, remove environmental protection, erosion and sedimentation control elements.

NO.	DATE	BY	APPR.	REVISIONS
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)
07/20/12	KS/MW	JFB		PERMIT DRAFT SET
05/15/13	KS/SW	JFB		COORDINATION SET
02/22/18	PC	JFB		COORDINATION SET
06/20/18	PC	NM		PERMIT SET



BARKER
LANDSCAPE ARCHITECTS, P.S.
4519 S. 190TH CT, SEATAC, WASHINGTON 98188
PH (206) 783-2670 FX (206) 783-3212

Approved By

Department of Parks &
Community Services -
Natural Resource Division

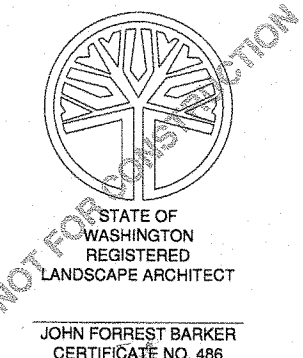
Chris Vandal, Project Manager
450 110 th Ave. NE
P.O. Box 90012
Bellevue, WA, 98009
tel: (425) 452-7679



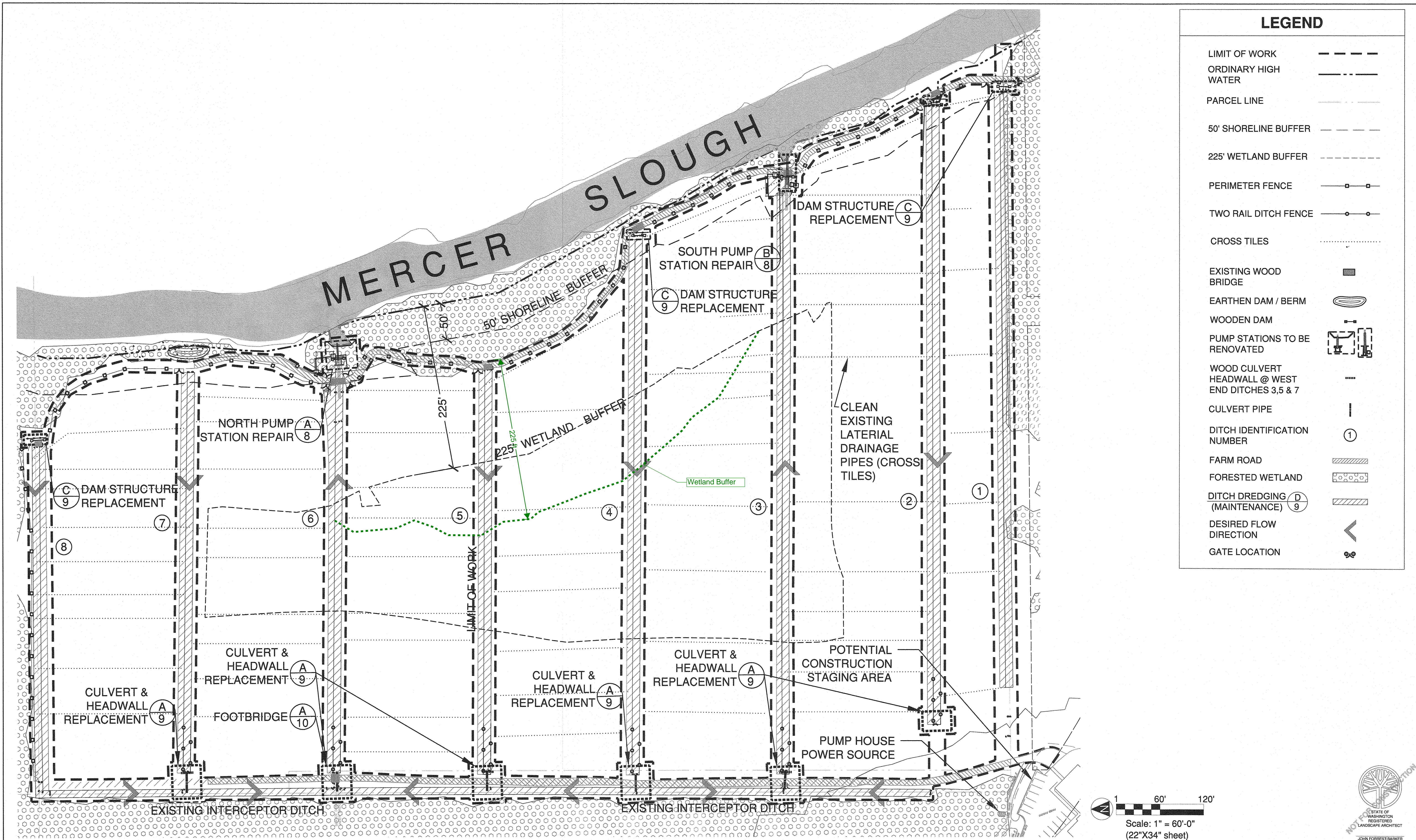
JFB
DESIGNED BY 6/20/18
DATE
PEC/NM
DRAWN BY 6/20/18
DATE
NM
CHECKED BY 6/20/18
DATE

City of Bellevue
**Mercer Slough
Agricultural Drainage
Repair**

**TESC/CSWPPP
ENLARGEMENTS**




JUL 12 2018
5
Permit Processing



LEGEND	
LIMIT OF WORK	---
ORDINARY HIGH WATER	----
PARCEL LINE	-.-.-.-
50' SHORELINE BUFFER	----
225' WETLAND BUFFER	----
PERIMETER FENCE	—□—□—
TWO RAIL DITCH FENCE	—○—○—
CROSS TILES
EXISTING WOOD BRIDGE	■
EARTHEN DAM / BERM	◡
WOODEN DAM	—+—
PUMP STATIONS TO BE RENOVATED	⌈⌋
WOOD CULVERT HEADWALL @ WEST END DITCHES 3,5 & 7	—+—
CULVERT PIPE	— —
DITCH IDENTIFICATION NUMBER	①
FARM ROAD	▨
FORESTED WETLAND	▨
DITCH DREDGING (MAINTENANCE)	▨
DESIRED FLOW DIRECTION	◀
GATE LOCATION	⊗

NO.	DATE	BY	APPR.	REVISIONS
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)
07/20/12	KS/MW	JFB		PERMIT DRAFT SET
05/15/13	KS/SW	JFB		COORDINATION SET
02/22/18	PC	JFB		COORDINATION SET
06/20/18	PC	NM		PERMIT SET




BARKER
LANDSCAPE ARCHITECTS, P.S.
4519 S. 190TH CT, SEATAC, WASHINGTON 98188
PH (206) 783-2670 FX (206) 783-3212

Approved By	

Department of Parks & Community Services - Natural Resource Division

Chris Vandall, Project Manager
450 110 1st Ave. NE
P.O. Box 90012
Bellevue, WA 98009
tel: (425) 452-7679



City of Bellevue

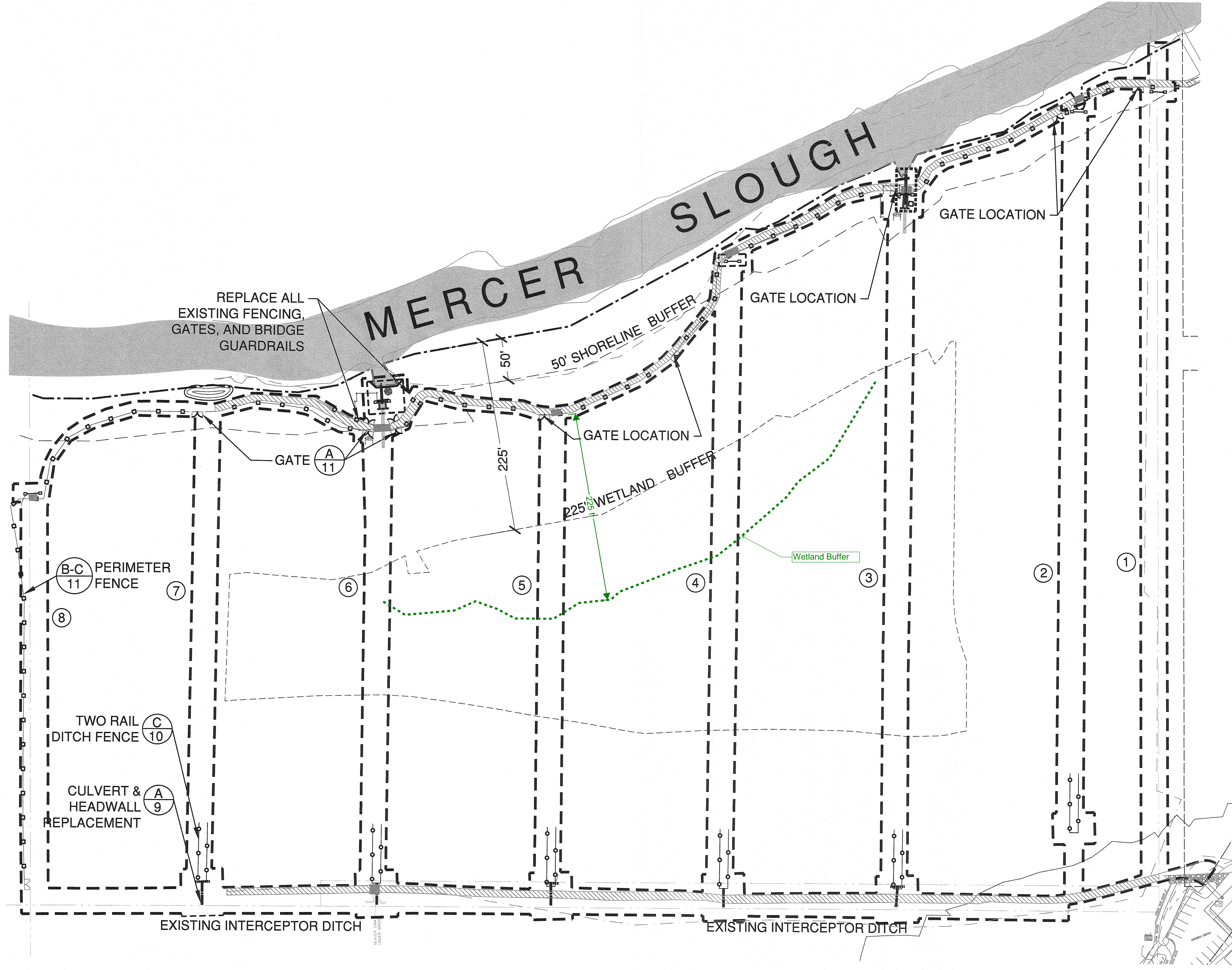
JFB	DESIGNED BY	6/20/18	DATE
PEC/NM	DRAWN BY	6/20/18	DATE
NM	CHECKED BY	6/20/18	DATE

City of Bellevue
**Mercer Slough
Agricultural Drainage
Repair**

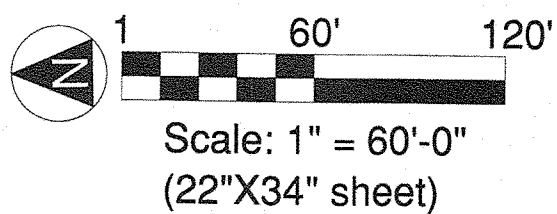
SITE PLAN

6 OF 11 SHEETS

NOT FOR CONSTRUCTION
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JOHN FORREST BARKER
CERTIFICATE NO. 486



LEGEND	
LIMIT OF WORK	---
ORDINARY HIGH WATER	- - - -
PARCEL LINE	----
50' SHORELINE BUFFER	- . - . -
225' WETLAND BUFFER	- - - - -
PERIMETER FENCE	— □ — □ —
TWO RAIL DITCH FENCE	— ○ — ○ —
EXISTING WOOD BRIDGE	■
EARTHEN DAM / BERM	⬭
WOODEN DAM	⬭
PUMP STATIONS TO BE RENOVATED	⌞ ⌞
WOOD CULVERT HEADWALL @ WEST END DITCHES 3,5 & 7	⋯
CULVERT PIPE	— —
DITCH IDENTIFICATION NUMBER	①
FARM ROAD	▨
GATE LOCATION	⊗



NO.	DATE	BY	APPR.	REVISIONS
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)
07/20/12	KS/MM	JFB		PERMIT DRAFT SET
05/15/13	KS/SW	JFB		COORDINATION SET
02/22/18	PC	JFB		COORDINATION SET
06/20/18	PC	NM		PERMIT SET



BARKER
LANDSCAPE ARCHITECTS, P.S.
4519 S. 190TH CT., SEATTLE, WASHINGTON 98188
PH (206) 783-2870 FX (206) 783-3212

Approved By

Department of Parks &
Community Services -
Natural Resource Division

Chris Vandall, Project Manager
450 110 1st Ave. NE
P.O. Box 90012
Bellevue, WA 98009
tel: (425) 452-7679



JFB	DESIGNED BY	6/20/18
	DATE	
PEC/NM	DRAWN BY	6/20/18
	DATE	
NM	CHECKED BY	6/20/18
	DATE	

City of Bellevue
**Mercer Slough
Agricultural Drainage
Repair**

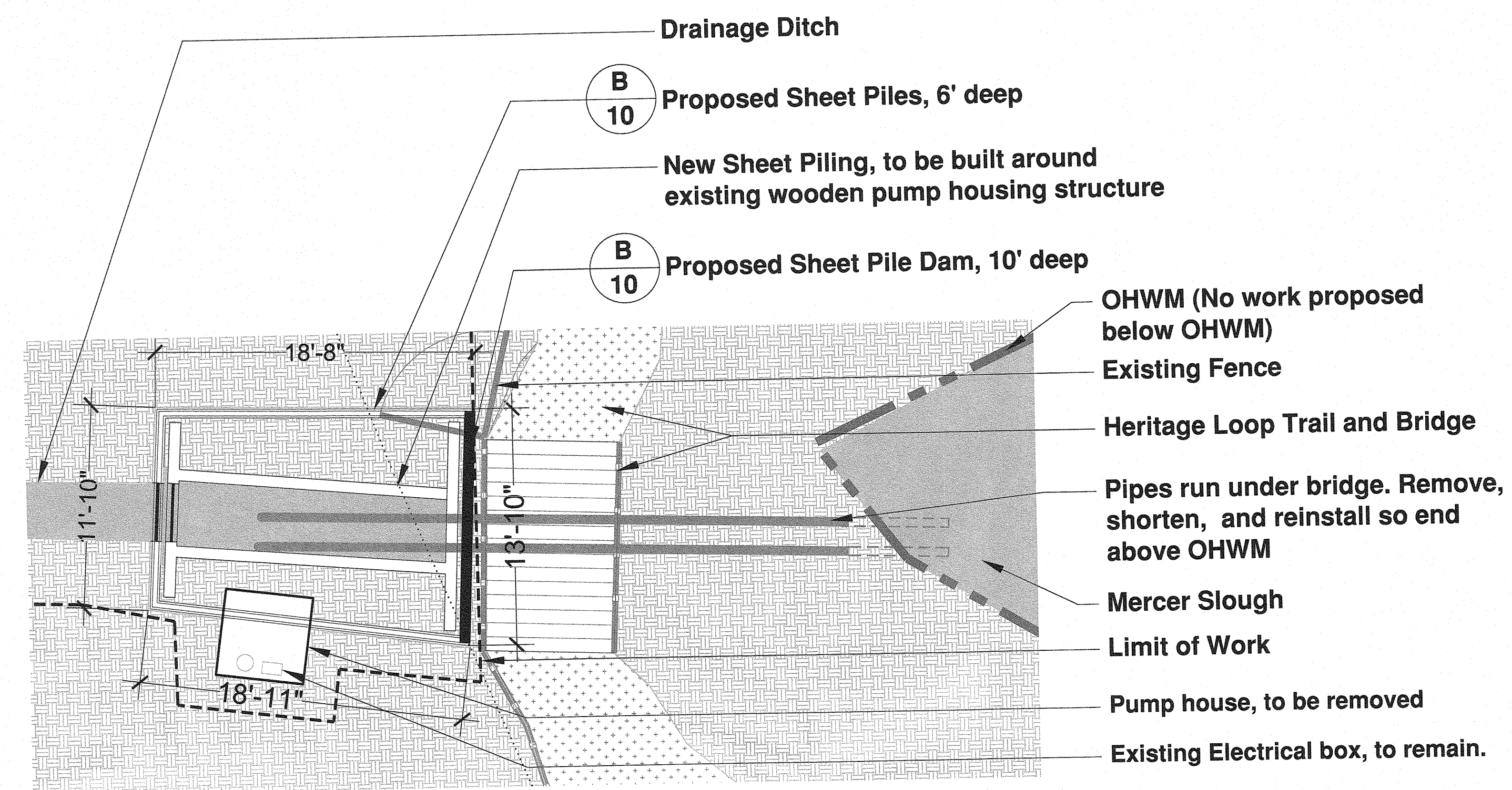
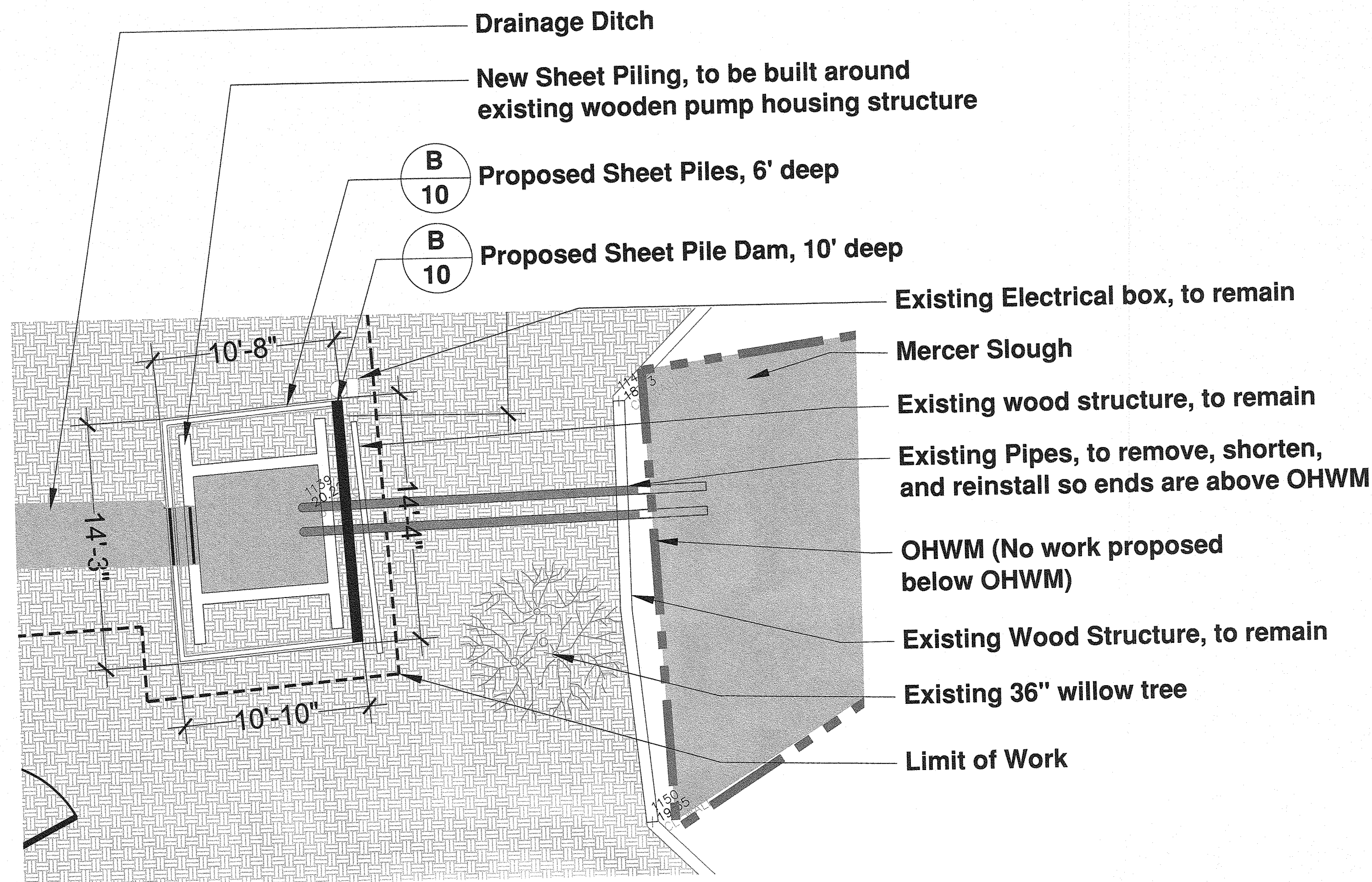
**FENCE REPLACEMENT
PLAN**

NOT FOR CONSTRUCTION

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JOHN FORREST BARKER
CERTIFICATE NO. 486

Received
JUL 12 2018
7
Permit Processing

7 OF 11 SHEETS



A NORTH PUMP STATION REPAIR PLAN
Scale: 3/16" = 1'-0"

B SOUTH PUMP STATION REPAIR
Scale: 3/16" = 1'-0"

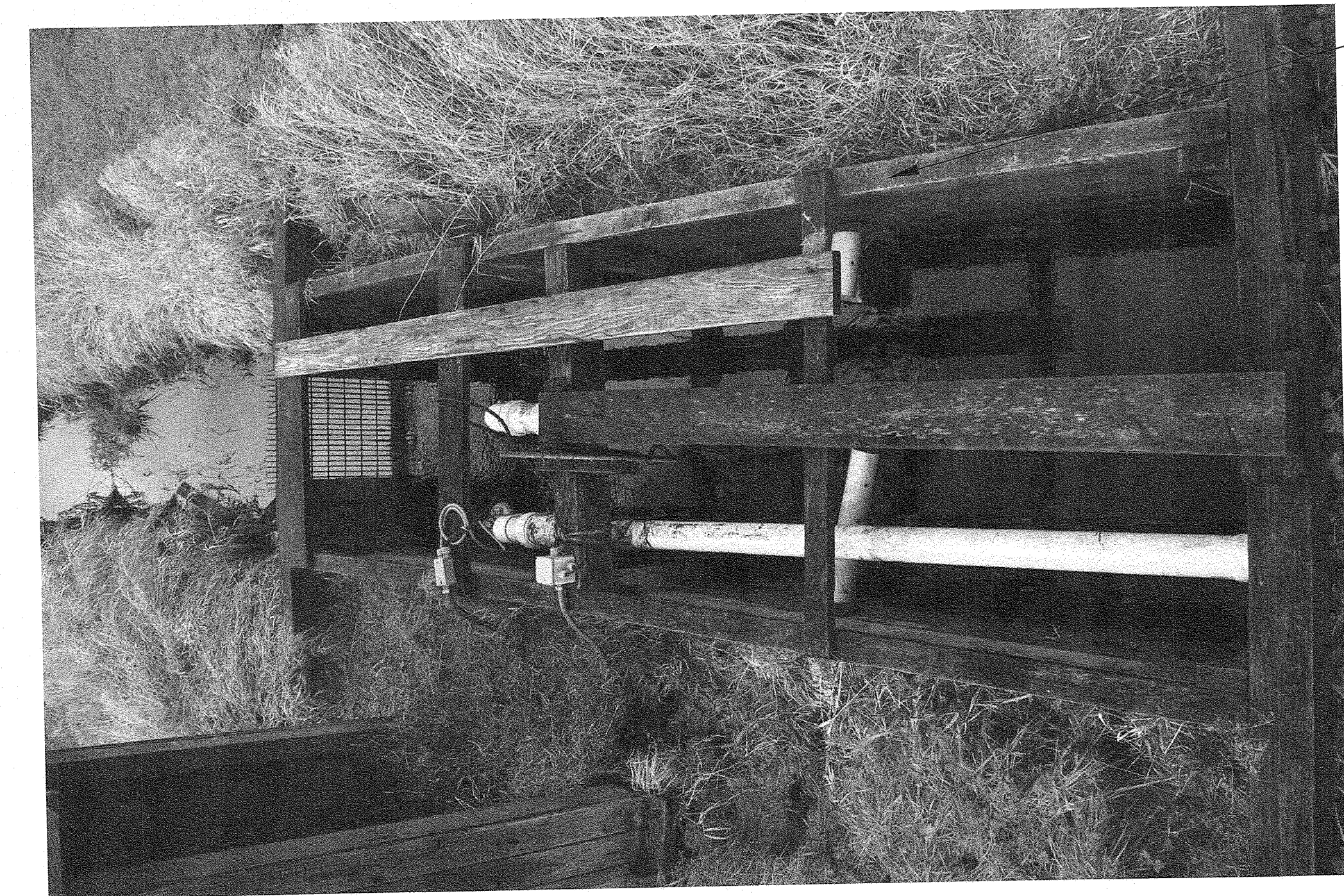
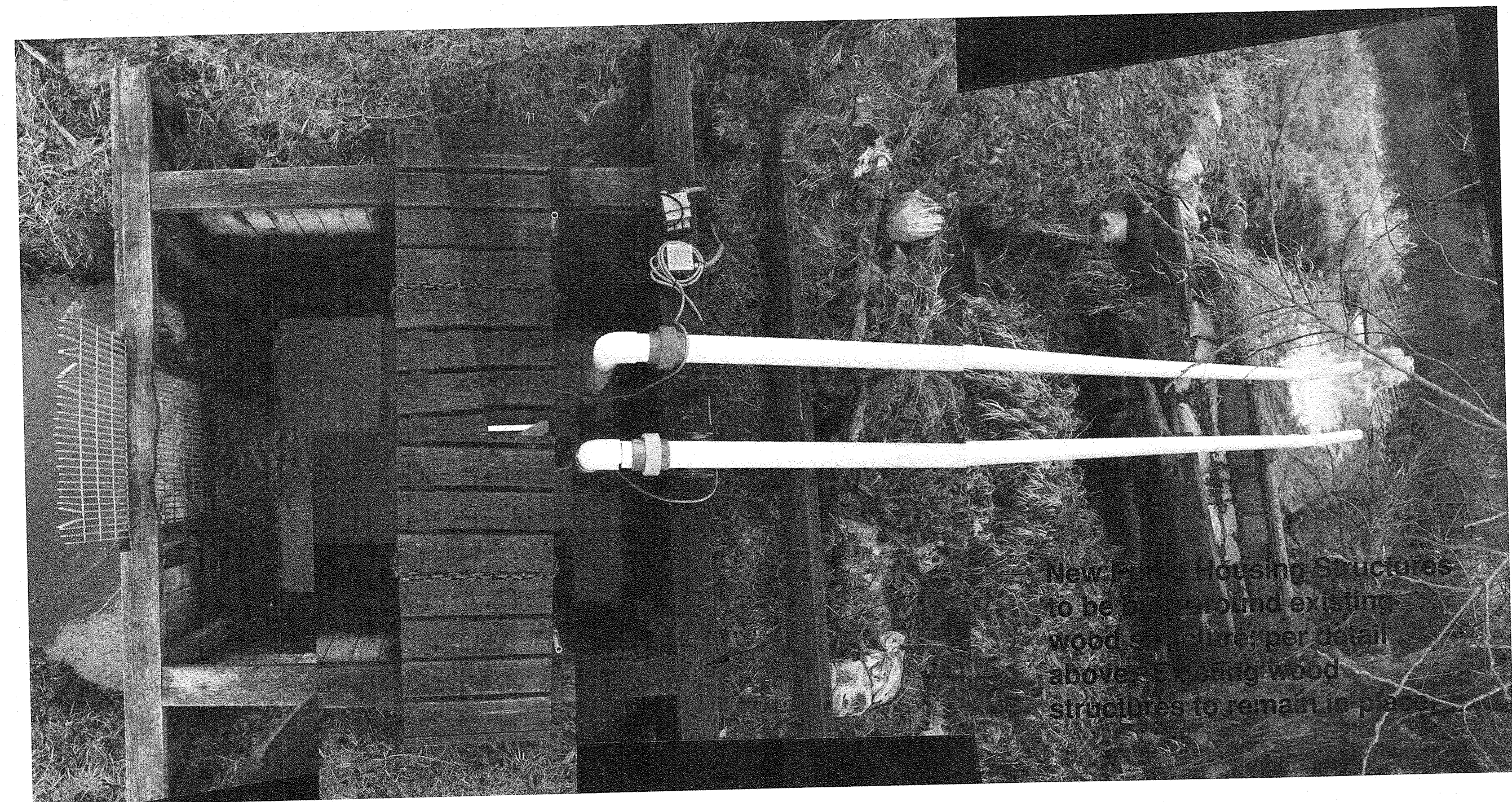




PHOTO OF EXISTING CONDITIONS

PHOTO OF EXISTING CONDITIONS

<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>APPR.</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td>02/14/12</td> <td>ES</td> <td>JFB</td> <td></td> <td>EXISTING CONDITIONS BASE MAP (DRAFT)</td> </tr> <tr> <td>07/20/12</td> <td>KS/MW</td> <td>JFB</td> <td></td> <td>PERMIT DRAFT SET</td> </tr> <tr> <td>05/15/13</td> <td>KS/SW</td> <td>JFB</td> <td></td> <td>COORDINATION SET</td> </tr> <tr> <td>02/22/18</td> <td>PC</td> <td>JFB</td> <td></td> <td>COORDINATION SET</td> </tr> <tr> <td>06/20/18</td> <td>PC</td> <td>NM</td> <td></td> <td>PERMIT SET</td> </tr> </tbody> </table>					NO.	DATE	BY	APPR.	REVISIONS	02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)	07/20/12	KS/MW	JFB		PERMIT DRAFT SET	05/15/13	KS/SW	JFB		COORDINATION SET	02/22/18	PC	JFB		COORDINATION SET	06/20/18	PC	NM		PERMIT SET	 <p>BARKER LANDSCAPE ARCHITECTS, P.S. 4519 S. 190TH CT, SEATAC, WASHINGTON 98188 PH (206) 785-2870 FX (206) 783-3212</p>		<p>Approved By</p>		<p>Department of Parks & Community Services - Natural Resource Division</p> <p>Chris Vandall, Project Manager 450 110 th Ave. NE P.O. Box 90012 Bellevue, WA. 98009 tel: (425) 452-7679</p>		 <p>City of Bellevue</p>		<p>JFB DESIGNED BY 6/20/18 DATE</p> <p>PEC/NM DRAWN BY 6/20/18 DATE</p> <p>NM CHECKED BY 6/20/18 DATE</p>		<p>City of Bellevue</p> <p>Mercer Slough Agricultural Drainage Repair</p>		<p>PUMP STATION REPAIR ENLARGEMENTS</p>		<p>JOHN FORREST BARKER REGISTERED LANDSCAPE ARCHITECT CERTIFICATE NO. 488</p> <p>NOT FOR CONSTRUCTION</p> <p>Received JUL 12 2018</p> <p>Permit Processing</p> <p>8 OF 11 SHEETS</p>	
NO.	DATE	BY	APPR.	REVISIONS																																														
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)																																														
07/20/12	KS/MW	JFB		PERMIT DRAFT SET																																														
05/15/13	KS/SW	JFB		COORDINATION SET																																														
02/22/18	PC	JFB		COORDINATION SET																																														
06/20/18	PC	NM		PERMIT SET																																														



REPLACE CULVERTS AND ASSOCIATED DITCH STABILIZATION CONNECTING WEST INTERCEPTOR DITCH TO FARM DITCHES

WATER FLOWING FROM FARM DITCH ON EAST END OF CULVERT INTO INTERCEPTOR DITCH ON WEST END OF CULVERT



SIMILAR - NOT FOR CONSTRUCTION

VINYL OR FIBER REINFORCED PLASTIC SHEET PILING TO BE USED AS LONGER-LASTING REPLACEMENT MATERIAL FOR CULVERT HEADWALLS

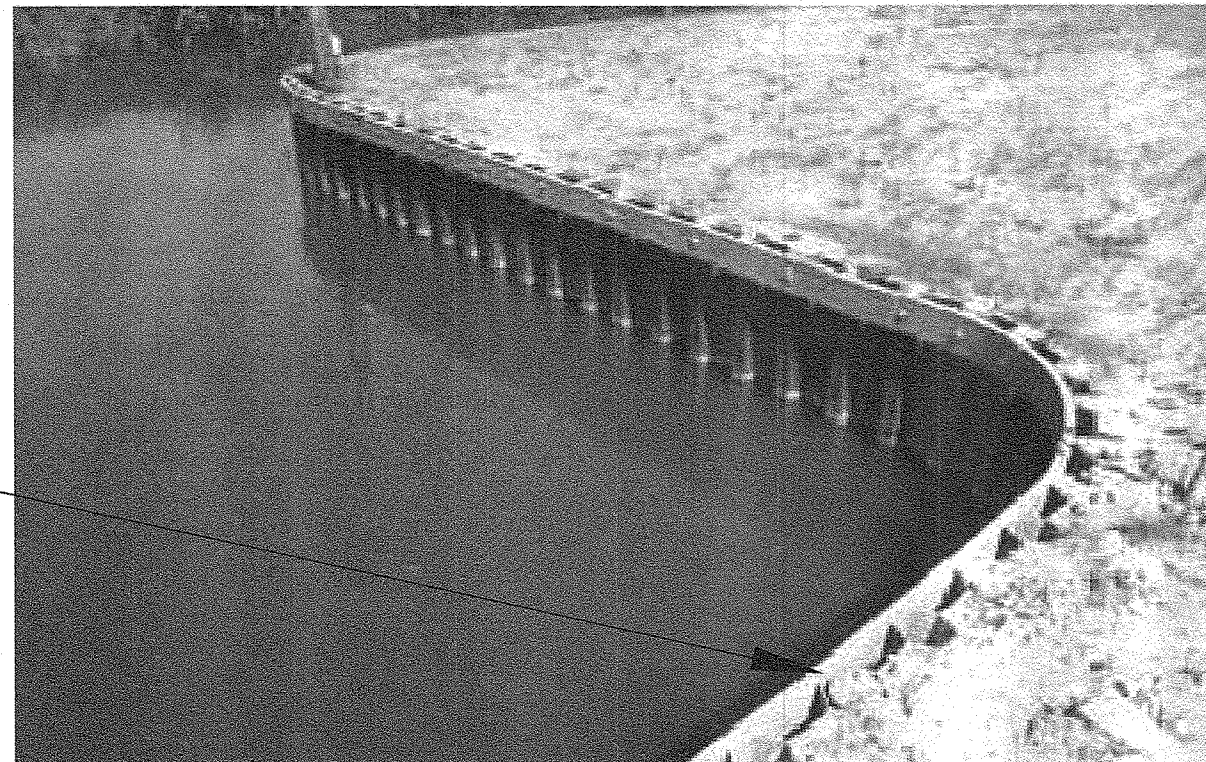
A CULVERT & HEADWALL - PROP & EX. REPLACEMENT



ELEVATED WATER LEVEL ON WEST END OF DAM INDICATES MALFUNCTIONING DRAINAGE SYSTEM. WATER ON WEST SIDE OF DAM IS HIGHER THAN WATER ON MERCER SLOUGH SIDE OF DAM.

EXISTING WOODEN DAMS

MERCER SLOUGH SIDE OF DAM



SIMILAR - NOT FOR CONSTRUCTION

REPLACE WOODEN DAM STRUCTURES AT EAST END OF FARM DITCHES - POSSIBLE MATERIALS - SHEET PILING (VINYL, FIBER REINFORCED PLASTIC OR STEEL), EARTH BERMS, OR COMBINATION OF BOTH

C DAM STRUCTURE REPLACEMENT (SEE SHEET 8)



FARM ROAD

FARM DITCH (EAST SIDE OF BRIDGE)

EXISTING BRIDGE AT ROW 6

REPLACE CULVERT AT WEST END OF DITCH 3 WITH WOOD BRIDGE (OR OTHER MATERIAL TO MATCH) AT ROW 6

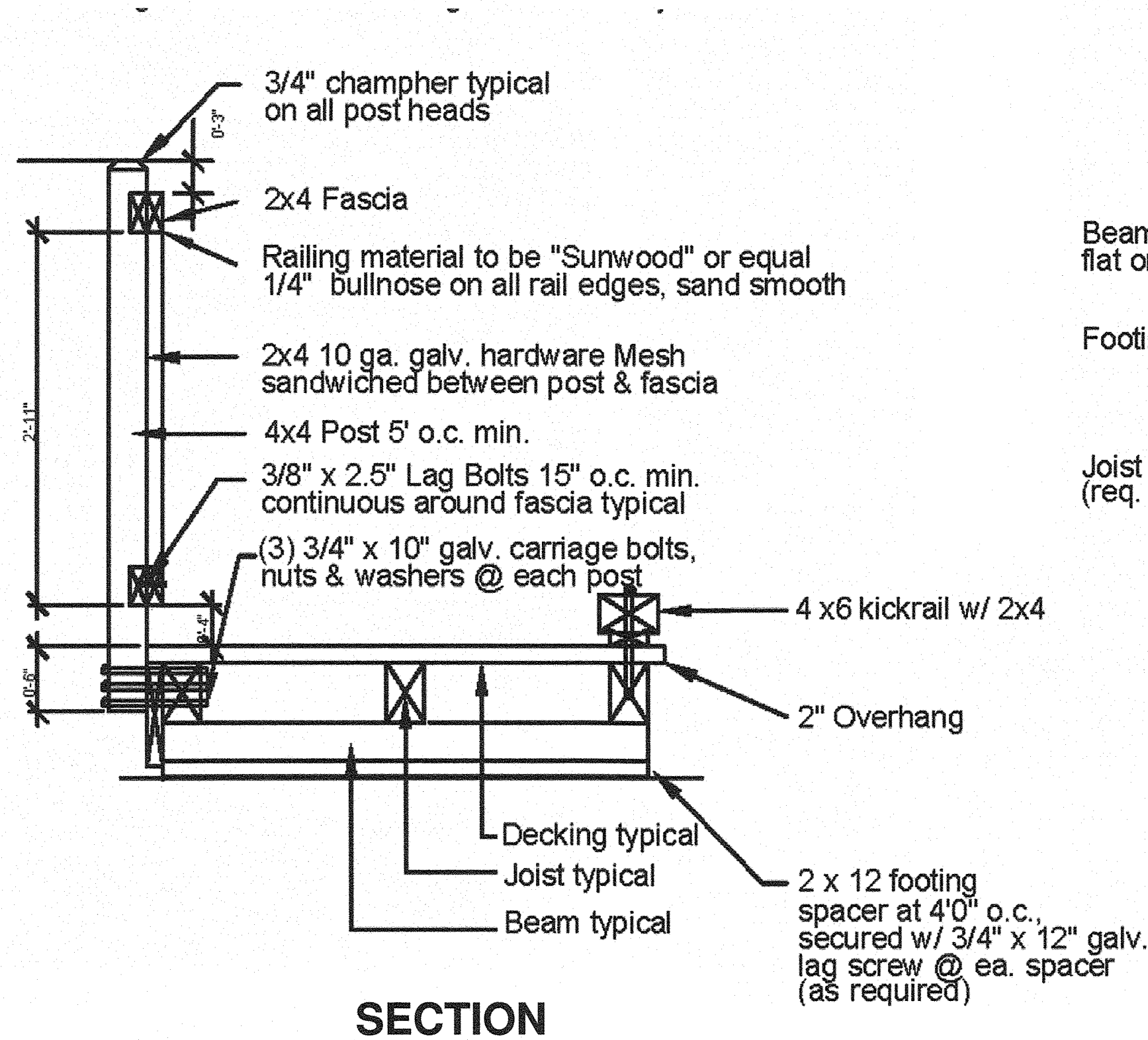
EAST-WEST RUNNING FARM DITCH LEADS TO NORTH-SOUTH RUNNING INTERCEPTOR DITCH (WEST SIDE OF BRIDGE)

B NEW BRIDGE AT DITCH 6

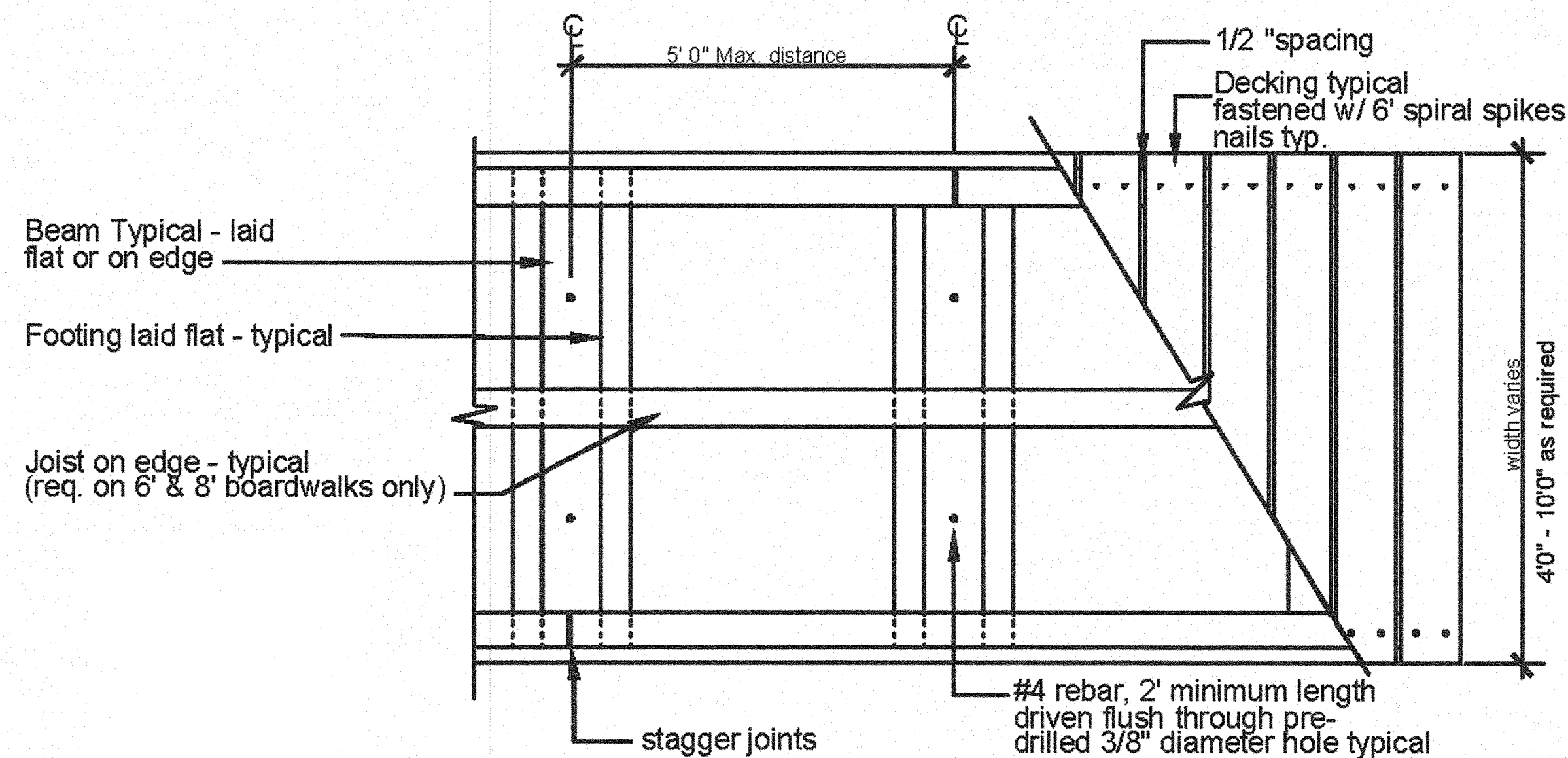


REMOVE ALL INVASIVE VEGETATION AND DREDGE SEDIMENT BUILDUP FROM FARM DITCHES. SPREAD ORGANIC DREDGING SPOILS ALONG EDGES OF DITCHES, HYDROSEED WITH NATIVE GRASSES TO COMPETE WITH REED CANARYGRASS. HAUL OFFSITE AND DISPOSE OF MATERIAL SUCH AS DRY GRASS, ROCKS, OR ROOTS.

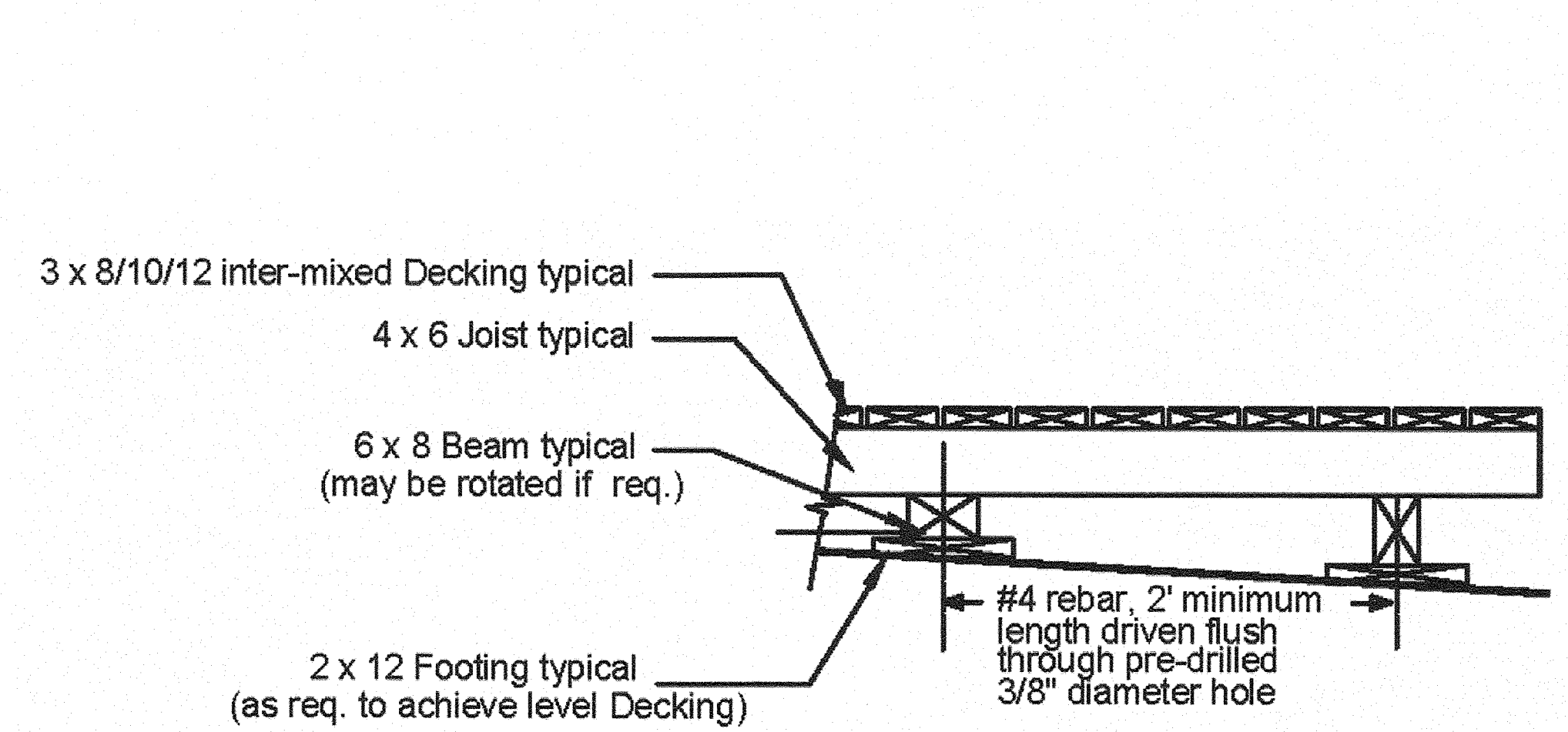
D DITCH MAINTENANCE



SECTION



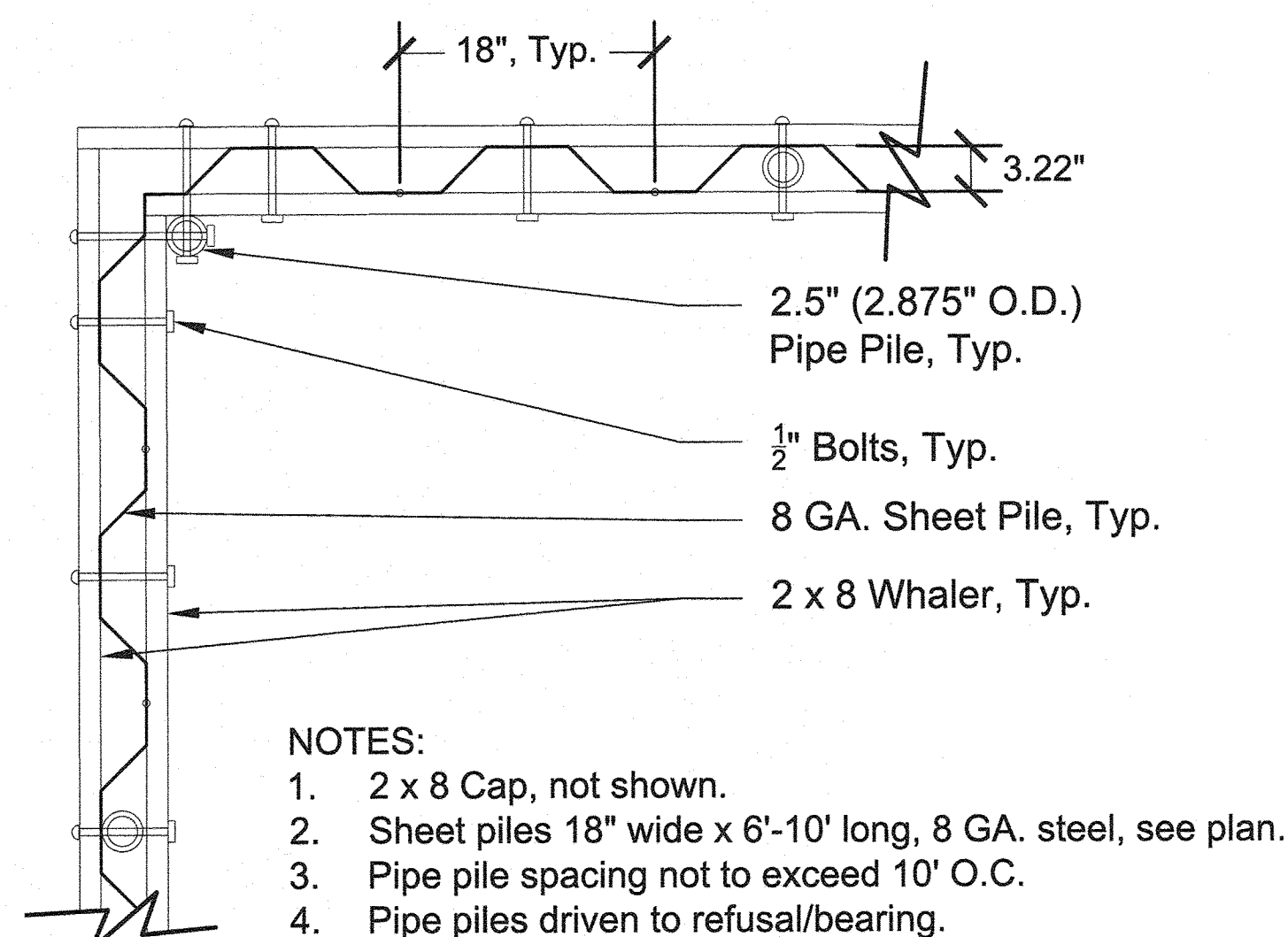
PLAN VIEW



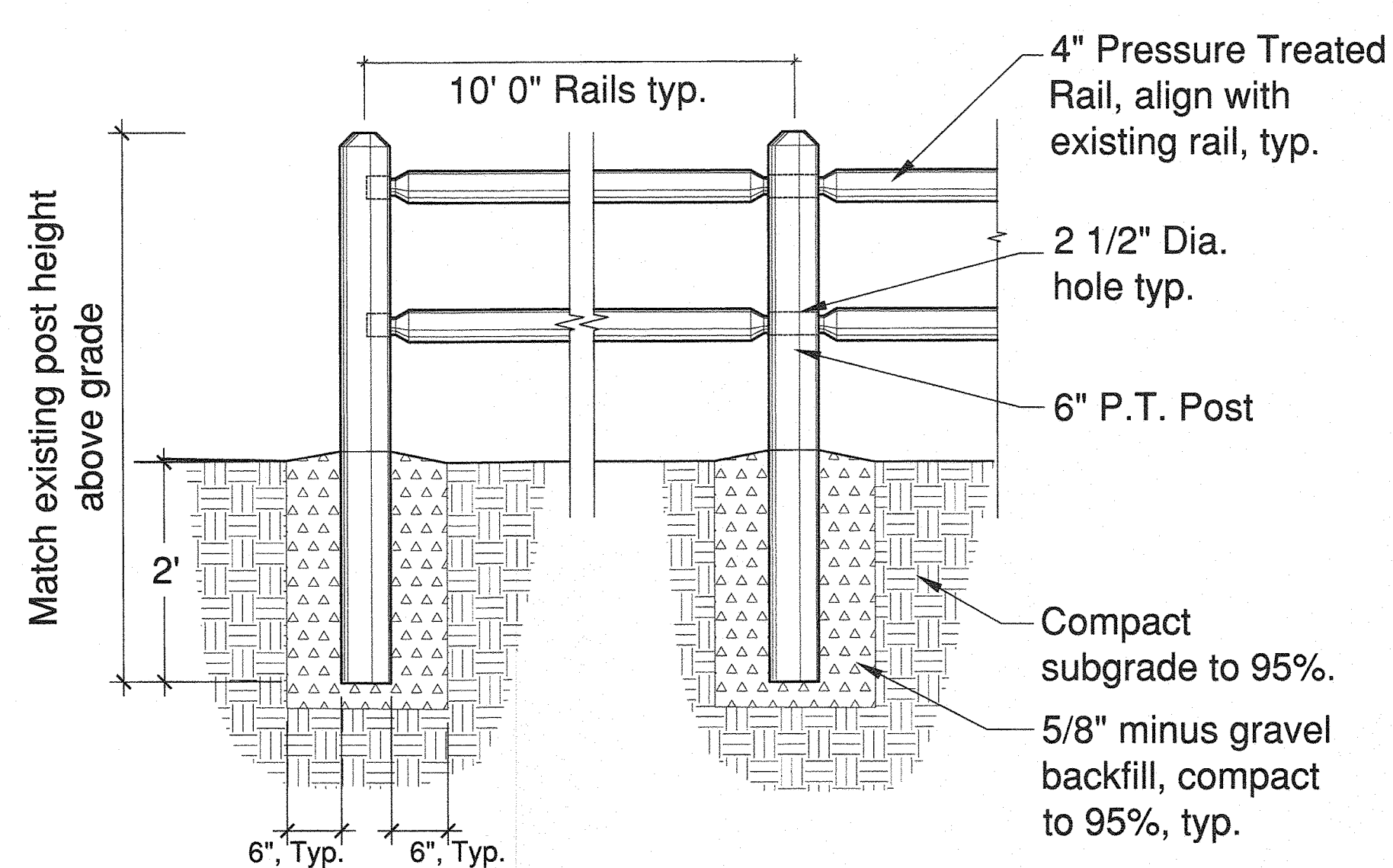
ELEVATION

Note: all wood shall be 'hem-fir', #2 or better (except decking, 'hem-fir' #1 w/rough-sawn walking surface). all wood ACZA pressure-treated per LP-22 or as approved by owner. fasten all materials w/ 32d galvanized common nails unless otherwise indicated.

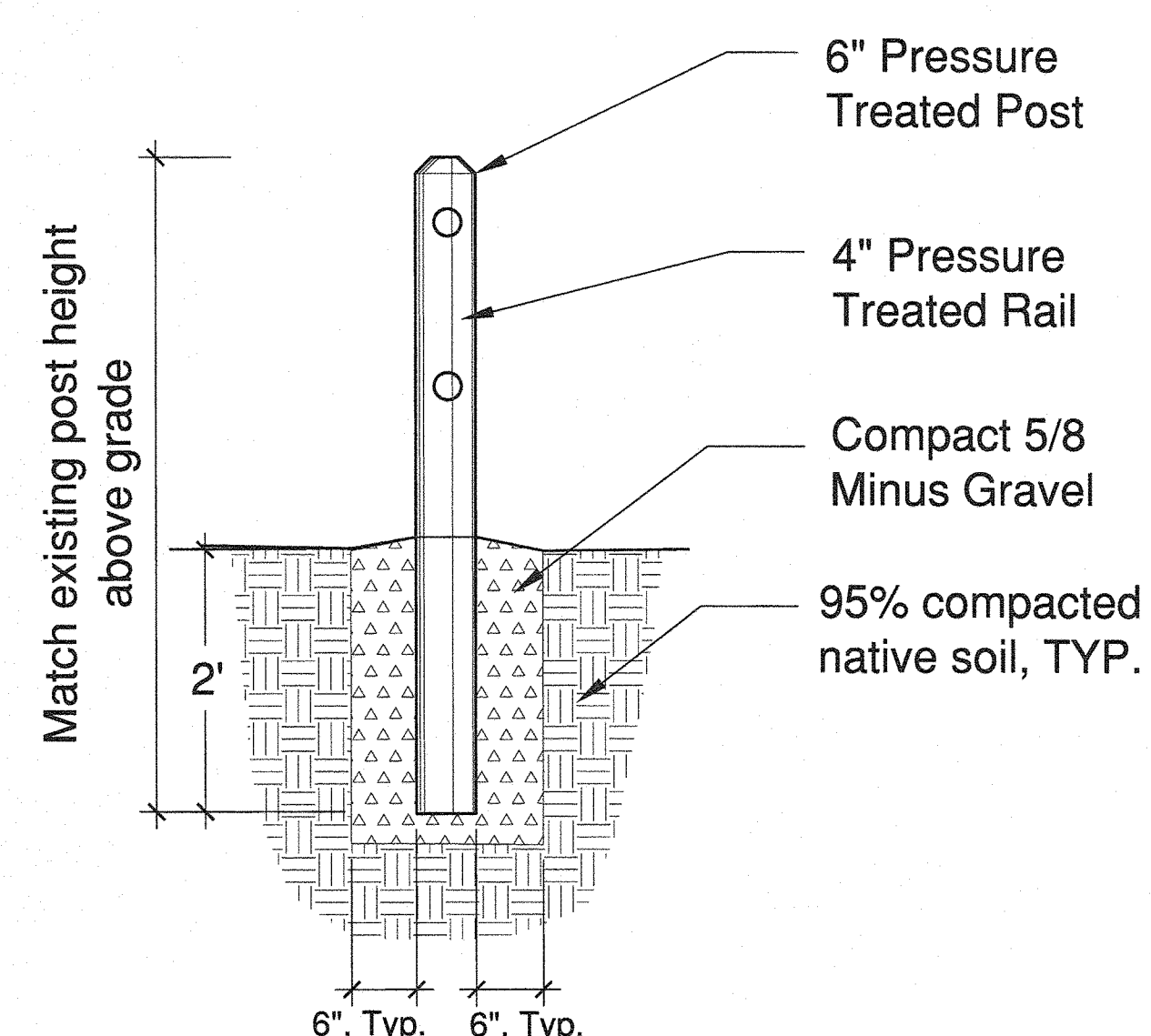
A FOOT BRIDGE - C.O.B. STANDARD DETAIL #60
SCALE: 1" = 1'-0"



PLAN VIEW



ELEVATION

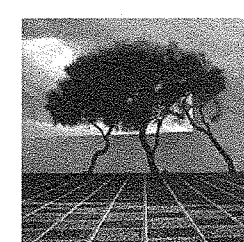


SECTION

B SHEET PILING WALL - 6' AND 10'
SCALE: 1" = 1'-0"

C TWO RAIL DITCH FENCE
SCALE: 1/2" = 1'-0"

NO.	DATE	BY	APPR.	REVISIONS
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)
07/20/12	KS/MM	JFB		PERMIT DRAFT SET
05/15/13	KS/SW	JFB		COORDINATION SET
02/22/18	PC	JFB		COORDINATION SET
08/20/18	PC	NM		PERMIT SET



BARKER
LANDSCAPE ARCHITECTS, P.S.
4519 S. 190TH CT, SEATAC, WASHINGTON 98188
PH (206) 783-2870 FX (206) 783-3212

Approved By

Department of Parks &
Community Services -
Natural Resource Division

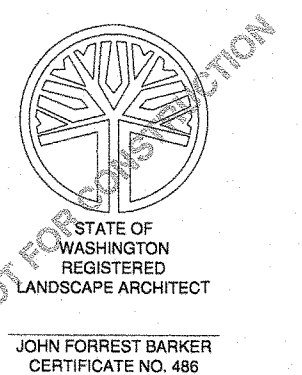
Chris Vandall, Project Manager
450 110 th Ave. NE
P.O. Box 90012
Bellevue, WA 98009
tel: (425) 452-7679



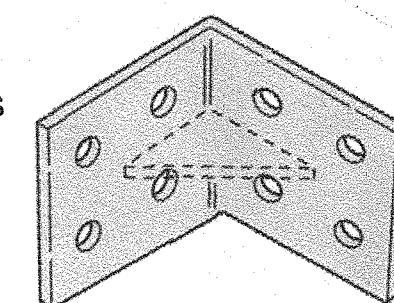
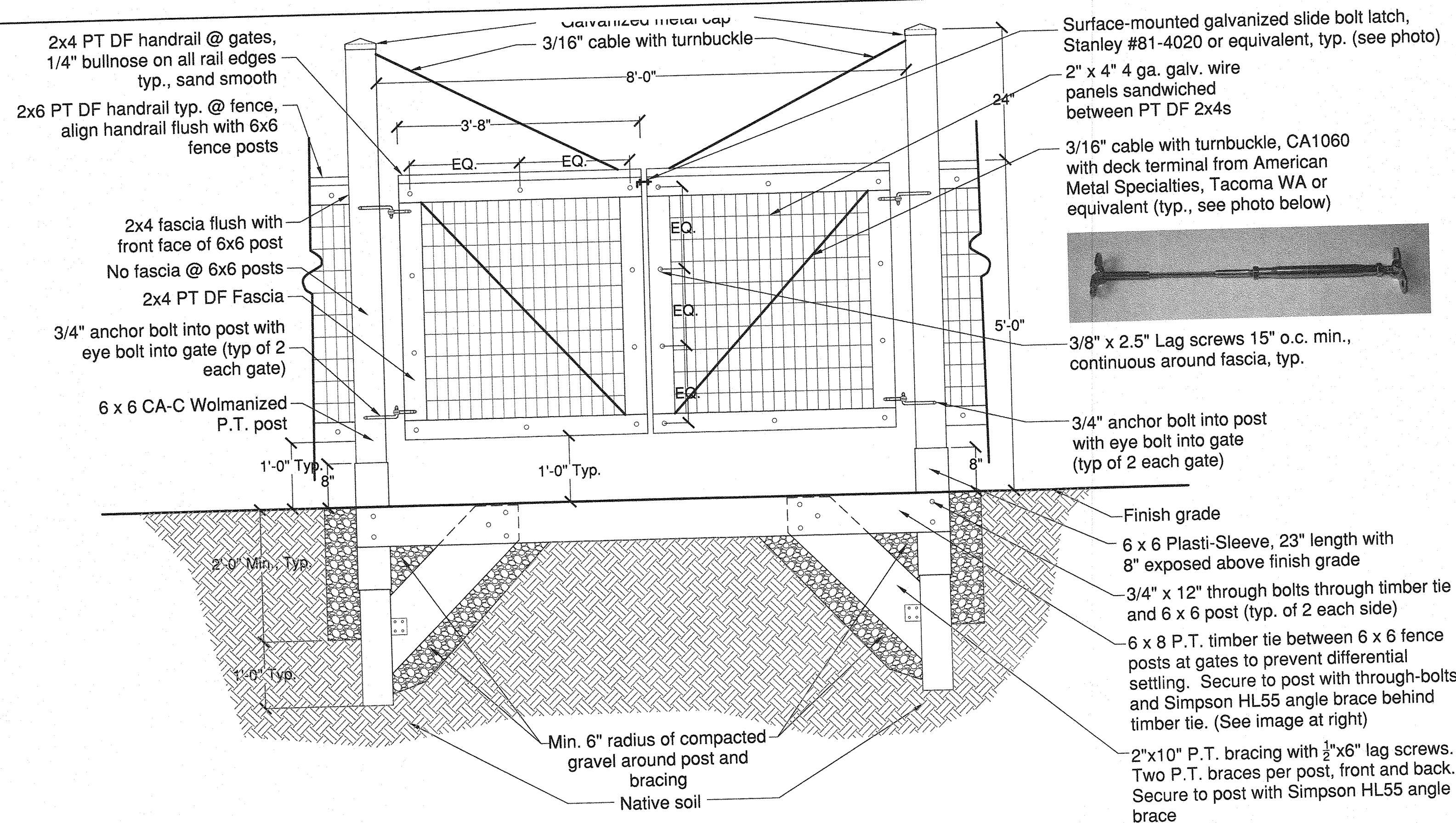
JFB
DESIGNED BY 8/20/18
DATE
PEG/NN
DRAWN BY 8/20/18
DATE
NM
CHECKED BY 8/20/18
DATE

City of Bellevue
**Mercer Slough
Agricultural Drainage
Repair**

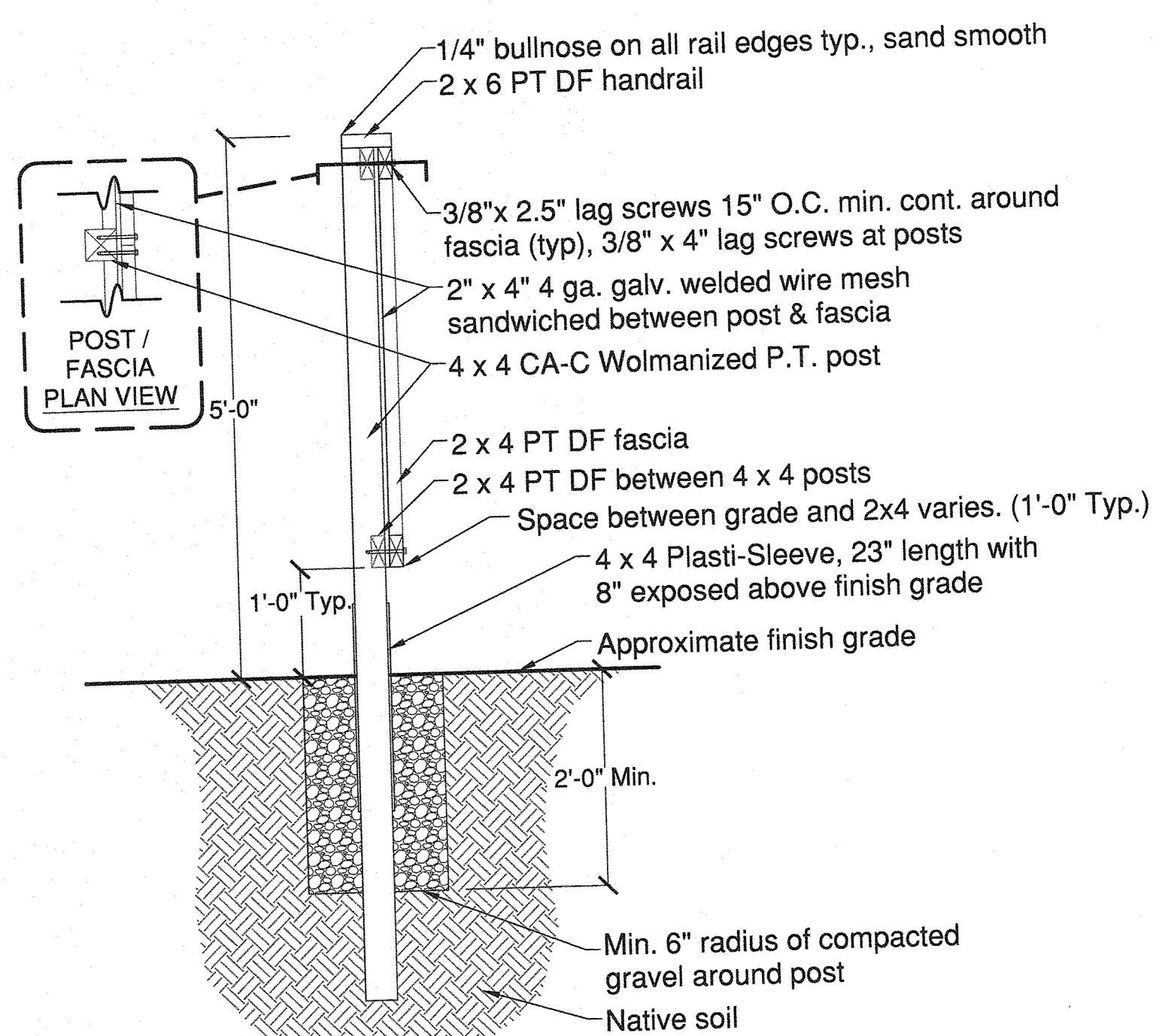
SITE DETAILS 2



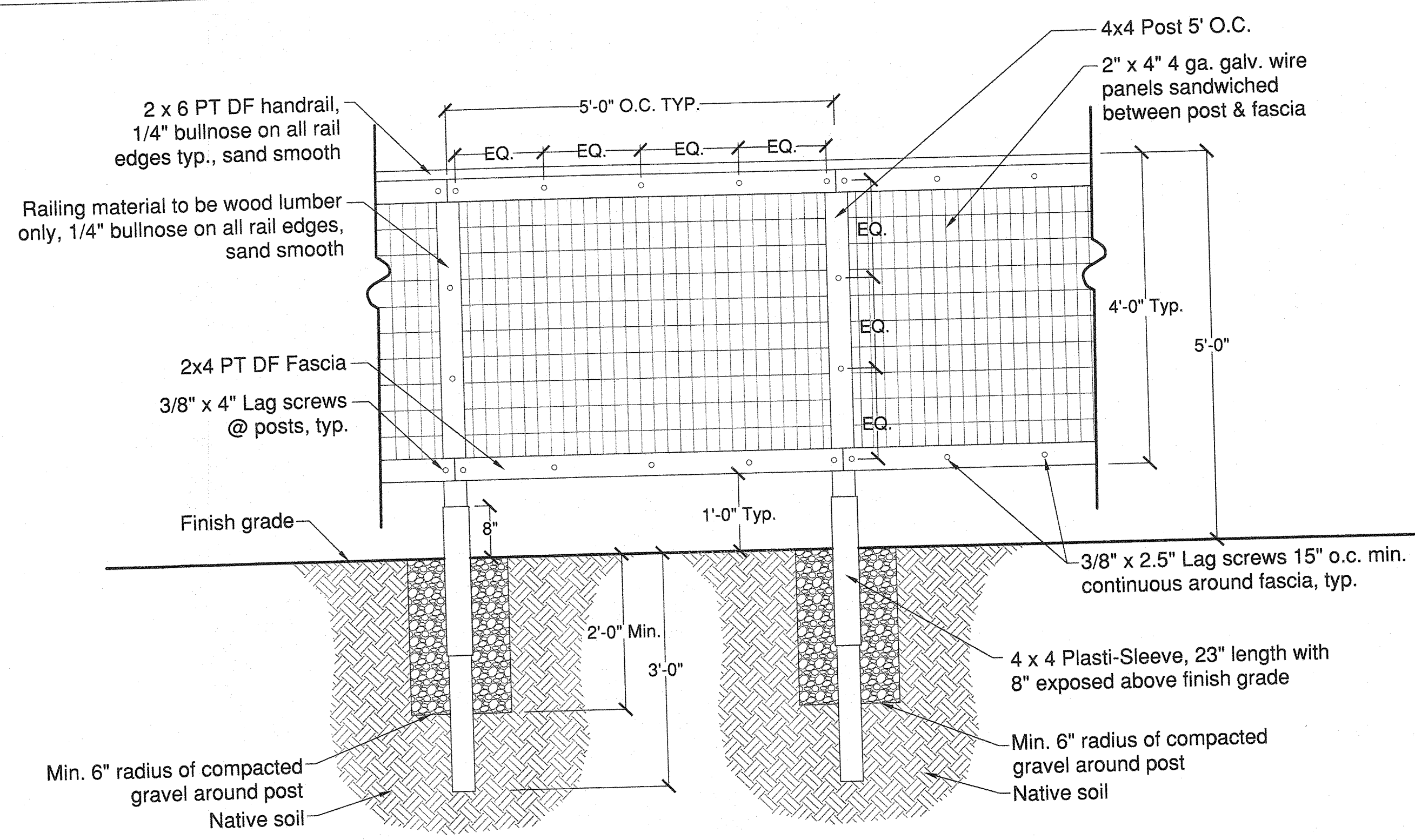
Received
JUL 10 2018
Permit Processing



A GATE
SCALE: 3/4" = 1'-0"



B PERIMETER FENCE POST SECTION
SCALE: 3/4" = 1'-0"



C PERIMETER FENCE ELEVATION
SCALE: 3/4" = 1'-0"

NO.	DATE	BY	APPR.	REVISIONS
02/14/12	ES	JFB		EXISTING CONDITIONS BASE MAP (DRAFT)
07/20/12	KS/MW	JFB		PERMIT DRAFT SET
06/15/13	KS/SW	JFB		COORDINATION SET
02/22/18	PC	JFB		COORDINATION SET
06/20/18	PC	NM		PERMIT SET



BARKER
LANDSCAPE ARCHITECTS, P.S.
4519 S. 190TH CT, SEATAC, WASHINGTON 98188
PH (206) 783-2870 FX (206) 783-3212

Approved By

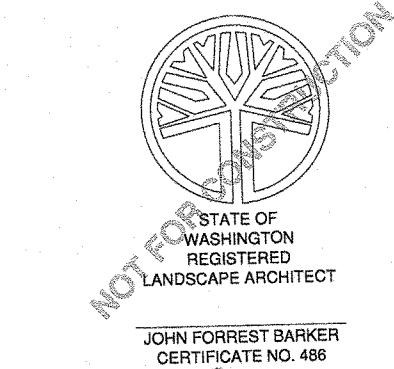
Department of Parks & Community Services - Natural Resource Division
Chris Vandall, Project Manager
450 110 th Ave. NE
P.O. Box 90012
Bellevue, WA. 98009
tel: (425) 452-7679



JFB DESIGNED BY	6/20/18
DATE	
PEC/NM DRAWN BY	6/20/18
DATE	
NM CHECKED BY	6/20/18
DATE	

City of Bellevue
Mercer Slough
Agricultural Drainage
Repair

SITE DETAILS 3



11
11 OF 11 SHEETS